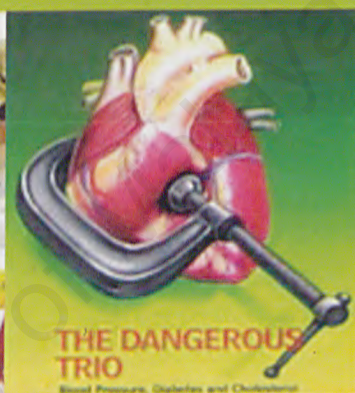




**UNIVERSITY
OF MALAYA**
KUALA LUMPUR

Inaugural Lecture



**ENDOCRINOLOGY:
JACK OF ALL
TRADES,
MASTER OF...
SOME!**

**LG173
A9Cha**

Dr Chan Siew Pheng

Department of Medicine
Faculty of Medicine
University of Malaya



**UNIVERSITY
OF MALAYA**
KUALA LUMPUR

**Endocrinology: Jack of All Trades,
Master of... Some!**

Inaugural Lecture

PROFESSOR DR CHAN SIEW PHENG

Department of Medicine
Faculty of Medicine
University of Malaya



PROFESSOR DR CHAN SIEW PHENG

MBBS (Malaya), MRCP (UK), FRCP (Edinburgh)

Department of Medicine

Faculty of Medicine

University of Malaya

Perpustakaan Universiti Malaya



A513511236

Biography

Professor Dr SP Chan graduated from the University of Malaya Kuala Lumpur in 1979. She obtained her MRCP (UK) in 1984, after which, she began her career as a lecturer in the Department of Medicine (Endocrinology and Diabetes) University of Malaya, Kuala Lumpur. In 1992, she was promoted to Associate Professor and she then enhanced her career by obtaining her FRCP (Edinburgh) in 1995. She is now Professor, Senior Consultant Endocrinologist, a post she has held since the year 2001.

As an academician, she has conducted numerous research in the field of Diabetes and Endocrinology – including epidemiology of diabetes and non-communicable disease in a rural population; prevalence of gestational diabetes and established diabetic pregnancies; diabetes dyslipidaemia; influence of nutrition, dietary calcium on bone mineral density in postmenopausal women and prevalence of vitamin D insufficiency in postmenopausal osteoporosis as well as been involved in international collaborative studies in specific aspects of diabetes/IGT – ADVANCE Study, CHARISMA Study and Phase 3 clinical trials on lipid-lowering agents, DPP-4 inhibitors, ECS inhibitors as well as osteoporosis trials – FACT-International.

She has served in various positions as advisor/member to National bodies involved in diabetes education, awareness as well as being a member of the National Endocrine fellowship training committee. Some of these include Expert panel assistance / diabetes awareness programme – training modules; National Steering Committee-Diabetes programme (Plan of Action for Diabetes, Ministry of Health, Disease Control Division, Public Health Department), Expert Panel in Health Technology Assessment committee on diabetes therapy, Ministry of Health.

She was the former President of the Malaysian Diabetes Association, a post she held from 2001-5. She has played a key role in establishing the diabetes education programme in the University of Malaya, Kuala Lumpur, to train healthcare professionals in diabetes management. She was the Chairperson of the 3rd Malaysian CPG (2004) on Type 2 diabetes mellitus taskforce. She has also been highly active in the field of osteoporosis – being one of the pioneer members of the Malaysian Osteoporosis Society and becoming the President from 2005 till present. She has been the Co-chairperson of the 2 Malaysian Clinical Practice Guidelines on Osteoporosis, 2001 and 2006.

She has published 54 papers in International and Regional journals during her career as a Medical Professional. She is a renowned Endocrinologist in the South East Asian Region.

Endocrinology: Jack Of All Trades, Master Of ... Some!!

Synopsis

If I have seen further it is by standing on the shoulders of giants
– Isaac Newton

I have had the honour of building and expanding upon the Endocrinology Unit started since the early 1970's when UMMC opened its doors. The pioneers who have been great sources of inspiration include my esteemed Senior colleagues and mentors, Dr A Ngan and Professor Dato' Anuar Zaini b Mohd Zain – who were and continue to be 'Giants' in the field of Malaysian Endocrinology.

The field of Endocrinology and Diabetes encompasses a broad range of disorders; these include disorders of the following: pituitary gland, thyroid, parathyroids, pancreas, adrenals, ovaries (female) and testes (male) as well as metabolic bone diseases.

We have established our interests in the subspecialties of Diabetes/ Metabolic Syndrome as well as Osteoporosis, taking advantage of the recent huge strides made in improving management including modalities for monitoring and pharmacologic agents to achieve their respective targets. The burden of these 2 diseases is on the rise – contributed by the increasing economic and social development of our country as well as the increased life expectancy of our population.

Diabetes

1. Prevalence of Diabetes and Metabolic Syndrome

Unfortunately, Malaysia leads the region in the increasing burden of Type 2 diabetes, 'boasting' the biggest increase over the last decade. The recent 3rd National Health and Morbidity Survey (2006), found the prevalence of diabetes to be 14.9% - up from 8.3% in 1996.

These results were no surprise as our multicentre study on lifestyle diseases – conducted by UMMC, USM and Ministry of Health had already shown this adverse trend when we studied 3 rural populations in 1997/8 when the prevalence of diabetes was found to be 15%. The prevalence of pre-diabetes was also a staggering 28.6%.

The rate of conversion to diabetes in our follow-up study in the Felda population was 4-5% per year – this is similar to other published data.

Our diabetic population was found to possess the characteristics of the Metabolic syndrome ie increased body mass index (degree of fatness), hypertension and hyperlipidaemia. This cluster of cardiovascular risk factors make our diabetic population at risk of having heart disease and stroke!



2. Audit of Diabetes care in Malaysia

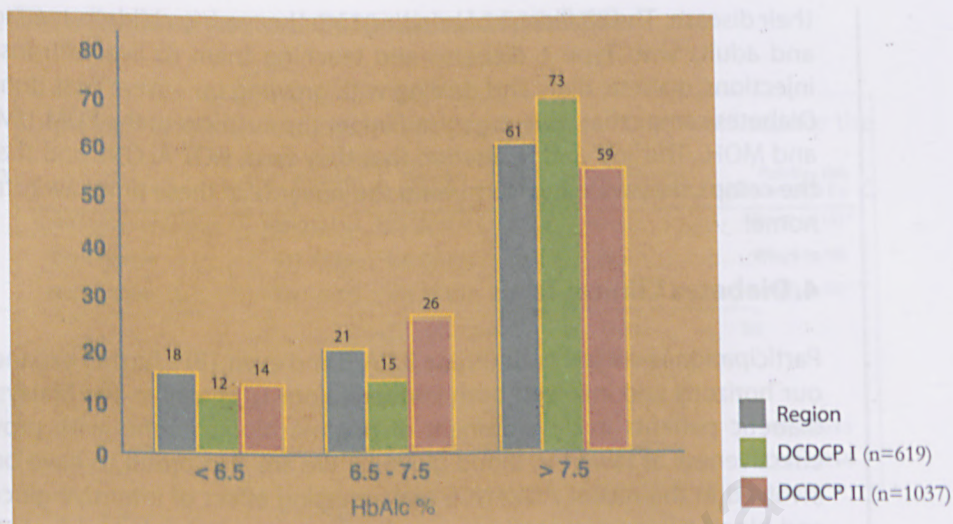
CVD RF Project : Prevalence of DM / Glucose Intol



n = 3718

SP Chan, Rashid et al. APSAVD 2001 abstract

An audit of diabetes management in the outpatient clinics of our government hospitals – named the DiabCare study, was the first step towards improving our healthcare services. This study was a multinational study and was made possible with an unrestricted research grant from NovoNordisk. DiabCare 1 was conducted in 1997 and DiabCare 2 in 1998. The results were presented to the Ministry of Health (MOH) – deficiencies in the healthcare system were identified – such as the overall poor glycaemic control, lack of appropriate diabetes resource centres and trained staff catering to the needs of patients.



Driven by these findings, the MOH set up a National Diabetes Steering committee of which I was invited to be part of. Several initiatives were undertaken that included:

- Setting up Diabetes resource centres in all major hospitals
- Training of Diabetic nurse educators
- Making HbA1c tests widely available
- Implementing standardised follow-up protocol
- Increasing awareness on Clinical targets – clinical updates / workshops

UMMC rose to the challenge of educating the Educators, developing a Diabetes Clinic Manager (DCM) course. We organized and held these courses from 1998 – 2003 and trained ~170 diabetes clinic managers. We passed the responsibility of this course to the Ministry of Health in 2003 after training their Trainers. Next, we went on to start the Advanced Diploma Course in Diabetes Education, held in 2003 – future courses are planned.

The Ministry of Health has since set up Diabetes Resource centres in every major hospital as well as the smaller towns – these are being run by diabetes clinic managers with the appropriate training.

3. Diabetes Camps – Teaching young Type 1 diabetic children to live with diabetes

Extracurricular activities including being the President of the Persatuan Diabetes Malaysia (PDM), a position held from 2001 – 5, were integral to our commitment to improving the lives of people with diabetes. Another big UNMET need that we realized was addressing the problems of young people with Type 1 diabetes – teaching them how to live successfully with

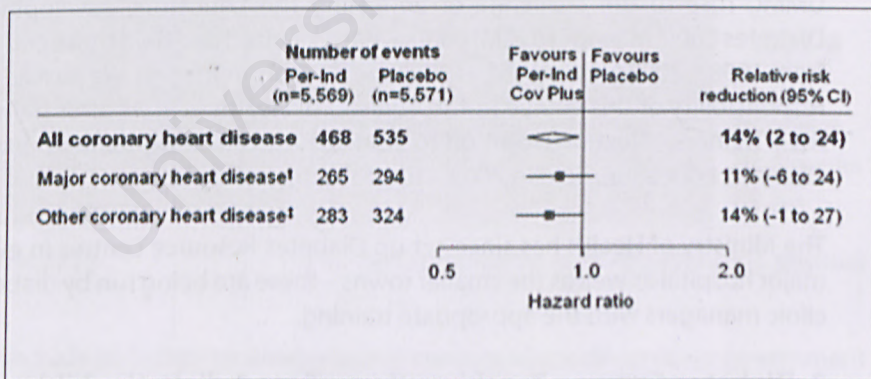
their disease. The challenge of bringing together young children, teenagers and adults with Type 1 diabetes and teaching them to live with insulin injections, diabetic diets and dealing with growing up – were best done in Diabetes camps that were organised under the auspices of the PDM, UMMC and MOH. The 'joy' and realisation that they were NOT ALONE and that in the camps, they were the Norm were the 'rewards' of these times away from home!

4. Diabetes Clinical Trials

Participation in clinical trials (Phase 3, 2A/B and even 1B) – further expanded our horizons and involved both Endocrinologists as well as the Malaysian diabetic patients in development of pharmacologic agents with proven effectiveness at lowering blood glucose. We are also proud to have been involved in the recent ADVANCE trial assessing effect of intensive glucose and blood pressure control on vascular outcomes. Malaysia had 5 centres involved of which UMMC was one. The results of this important landmark trial will prove invaluable in helping clinicians manage their patients with diabetes to reduce diabetic complications – the fact that Malaysians were involved in this large trial means that the trial results can be extrapolated to our local scenario.

Advance Trial – Effect Of Blood Pressure Lowering On Coronary Events (Lancet 2007)

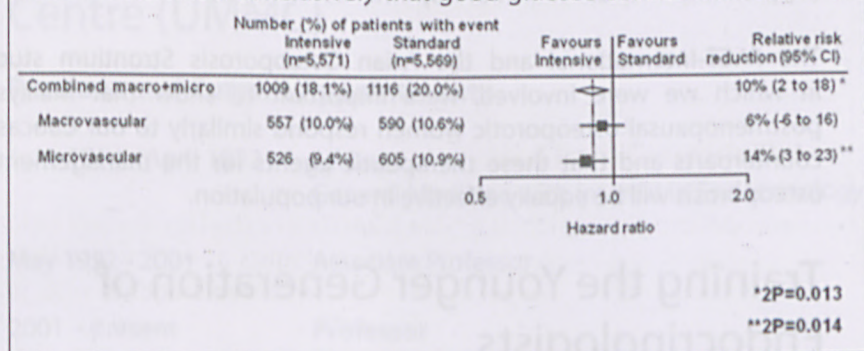
These results show that good blood pressure control can prevent cardiac



complications.

Advance Trial – Effect Of Glucose Lowering On Complications

These results show conclusively that good glucose control will reduce the



burden of kidney complications in diabetes

Osteoporosis

UMMC can take pride in being the first and probably still the only hospital in Malaysia to have a dedicated Osteoporosis clinic. Originally set up with a multidisciplinary team of Endocrinologists/Rheumatologists and Orthopaedic Surgeons – we are now an established centre offering comprehensive management. With the support of our Pharmacy and Administration – we are able to treat patients with osteoporosis with the latest therapies available – in accordance with guidelines.

We were one of the first Institutions in Malaysia to offer diagnostic facilities for osteoporosis with the availability of the Lunar DEXA machine – one of the established machines that are accepted as the GOLD standard for the measurement of bone mineral density. We were the Centre involved in collecting data for the Osteoporosis Screening Tool for Asians (OSTA) database that resulted in the OSTA screening tool that allows clinicians to perform an initial screen before sending patients for the more expensive and less easily available test of DEXA.

Expanding our role beyond service, we have been Involved in trials ie Epidemiology of Vitamin D insufficiency in postmenopausal osteoporotic women. In this cross-sectional study looking at Vitamin D levels in women with postmenopausal osteoporosis, we were very surprised at the high proportion of vitamin D inadequacy in our women with osteoporosis – of 50%! Our belief was that we are a Tropical country with adequate sunlight – that our people would not require any vitamin D supplementation. Vitamin

D is very important for the absorption of calcium from our gut. This data has revolutionized our recommendations for vitamin D and calcium intake. All women and perhaps men as well are now being advised to take vitamin D supplements in order to achieve optimal bone health.

The FACT-International and the Asian Osteoporosis Strontium studies in which we were involved, were important to show that Malaysian postmenopausal osteoporotic women respond similarly to our Caucasian counterparts and that these therapeutic agents for the management of osteoporosis will be equally effective in our population.

Training the Younger Generation of Endocrinologists

Finally, taking on the responsibility of training the younger generation of Endocrinologists has been a JOY! Endocrinology is an Infinitely exciting speciality and my wish is that many will realise this and take up the challenge!!

We have trained several Endocrinologists – namely, Drs Shireene Vethakkan, Vijay Ananda and Lim Soo San. We were also given the challenge of training the Endocrine Trainees for the Ministry of Health – to date, we have had Drs KY Ong who has since graduated and has been posted to Ipoh hospital. Others who are works in progress are Drs SH Foo, SC Lim, Nor Halizah, Kiran, Noorlita, Shamita and Alex Tan.

My hope is that I am now the shoulder upon which others stand to meet the challenges ahead.

Division of Endocrinology Department of Medicine University of Malaya Medical Centre (UMMC)

Previous and Current Appointment :

June 1984 - April 1992 Lecturer,
General Medicine with interest in Endocrinology

May 1992 - 2001 Associate Professor

2001 – present **Professor**
(Consultant Physician/Endocrinology)

at Department of Medicine
Faculty of Medicine
University of Malaya, Kuala Lumpur

Endocrine Services :

- Care of patients with various medical disorders in a 28-bedded ward, in the Medical unit (190 beds) at the University Hospital, Kuala Lumpur
- Supervision of the duties of the ward Lecturer, Medical Officer and House Officer
- Care of in-patients with diabetes mellitus and endocrine disorders with 3 other Consultants
- Managing outpatients at the Endocrine, Diabetic and Diabetic Insulin clinics. The University Hospital acts as a referral centre for various subspecialties including Endocrinology
- We are able to provide a fine needle aspiration cytology service for patients with thyroid nodules
- Advise regarding care of Diabetic and Endocrine problems in the other non-medical departments of the Hospital.
- Medical Consultant on call for General Medicine and Diabetes/Endocrinology

Management of Osteoporosis, 2006 (SP Chan)
– launched by Minister of Health Dato Dr Chua Soi
Lek, 15 Jan 2006

Chairperson Organising Committee
3rd Malaysian Annual Scientific Meeting on
Osteoporosis, Jan 2006 (SP Chan)

Organising Committee (International Advisory Committee)
4th International HuaXia Congress of Endocrinology
Hong Kong
December 15-18, 2006

Chairperson Organizing Committee
4th Malaysian Annual Scientific Meeting on
Osteoporosis, 3 – 5 Aug 2007, KL

Scientific Chairman 42nd Malaysia Singapore Congress of Medicine,
Kuala Lumpur,
31 Jul-3 Aug 2008

Extracurricular activities (Professional Societies / NGOs)

Malaysian Endocrine & Metabolic Society
Member since 1990
Assistant Secretary 1993-4
Committee member 1997-8, 2000-1

Malaysian Diabetes Association
Committee member 1994-6
Vice-President 1997/8, 98/9, 99/2000
President 2000-5

Malaysian Osteoporosis Society
Committee Member 1998-2000, 2000-2
Vice-President 2002-6
President 2006-2010

Academy of Medicine Malaysia
Member, 2008 -

AWARDS

1. Sijil Perkhidmatan Cemerlang - 2004
2. Sijil Perkhidmatan Setia- 2004

Completed

1. Chee SS, Winnie - PhD (1999-2001) at UKM
Effect of Calcium supplementation on Bone Health Status in Postmenopausal Women in the Klang Valley
Other Supervisors - Prof Madya Suriah A Rahman (UKM), Prof Madya Zaitun Y (UPM)
2. Chan Yoke Mun - PhD (1999 - 2002) at UPM
Determinants of Bone Health Status among postmenopausal women - IRPA Grant
Other Supervisors - Prof Madya Zaitun Y (UPM), dr Mirnalini K (UPM), Prof Madya Suriah A Rahman (UKM)
3. Dr Thaneemalai a/I J - Masters of Obstetrics & Gynaecology - Thesis 1998-2002
Thesis - Determinants and Prevalence of Glucose Intolerance/Diabetes mellitus in women with Previous Gestational Diabetes mellitus
Co-supervisor : P/M Siti Zawiah
4. Dr Asmah Mohamad - Masters of Internal Medicine - Thesis 1998 - 2002
Thesis - Repaglinide in the month of Ramadhan in Muslim Type 2 Diabetes mellitus
Co-supervisor - P/M Rokiah Pendek
5. Hazizi Abu Saad - PhD (1999 - 2005) at UPM – obtained PhD 2006
Cardiovascular Risk Factors in type 2 Diabetes mellitus compared to non-diabetic controls
Other Supervisors - Prof Madya Zaitun Yassin, Dr Mirnalini and Nawalyah (UPM)
6. Chew Wai Fong - Masters of Biomedical Sciences (2003 - 6) at UMMC – completed, completed 2006
Characteristics of Women with Previous gestational diabetes mellitus - baseline study. 24 month Lifestyle intervention to prevent progression to diabetes/glucose intolerance.

A513511236

On-going

7. ACD I/D Polymorphism in Diabetic Nephropathy (2006 – present)
Jaime J Jayapalan
Co-Supervisor with Sekaran Muniandy, SP Chan
8. Pauline Lai – Masters, PhD in Pharmacology (2004-present)
– Co-Supervisor with SS Chua, WY Low, SP Chan
Postmenopausal Osteoporosis – characteristics affecting compliance and outcome, as measured by bone markers of resorption and BMD

INVITED - EXPERT PANEL

1. Expert panel assistance / Diabetes Awareness Programme – Training module
2. National Steering Committee, National Diabetes Programme
– Plan of Action for Diabetes, Ministry of Health, Diabetes Unit, Disease Control Division, Public Health Department
3. Expert panel in Health Technology Assessment committee on Diabetes therapy, assessment of control and complications, microalbuminuria – under Dr Sivalal, Unit of Health Technology Assessment, Ministry of Health 2000 until present
4. National Committee on Endocrine Training and Fellowship
5. 1st National Medicines Use Survey Expert Panel (initiated by the Ministry of Health) 2005, 2006 – diabetes and endocrinology

PUBLICATIONS

TEXTBOOKS/ACADEMIC BOOKS

1. Handbook of Medical Emergencies
Authors – HH Soo, Lau & PH Chew
Chapter on Endocrine emergencies – SP Chan
Published in October 1999
2. Acute diabetic emergencies. Rokiah Pendek & Chan Siew Pheng.
MANAGEMENT ASPECTS OF ACUTE CARE. SERIES ON HEALTH SCIENCE.
ISBN 983-100-403-5. Pg 217-224 (published 2006)
3. Endocrine emergencies. Chan Siew Pheng & Rokiah Pendek.
MANAGEMENT ASPECTS OF ACUTE CARE. SERIES ON HEALTH SCIENCE.
ISBN 983-100-403-5. Pg 225-232

JOURNALS

1. Acrodermatitis continua of Hallopeau – a report of a case
Rokiah Ismail, SP Chan
Medical Journal of Malaysia 1983; 38 (3): 191-3
2. Severe paralytic ileus – an unusual presentation of pheochromocytoma
R Mohammad, SP Chan, SF Alhady & ASM Khir
Journal of Asean Federation of Endocrine Societies 1991; 10(1): 49-52
3. Management of pregnancy complicated by diabetes mellitus: Experience at the University Hospital Kuala Lumpur
R Dutta, Kulenthiran A, V Sivanestratnam, SP Chan, A Zaini & TA Sinnathuray
Asia-Oceania Journal of Obstetrics & Gynaecology 1988; 14(3): 307-311
4. Abnormalities of intermediary metabolism following a gestational diabetic pregnancy
SP Chan, SV Gelding, RJ McManus, JSD Nicholls, V Anyaoku, R Niththyananthan, DG Johnston & A Dornhorst
Clinical Endocrinology (Oxf) 1992; Apr 36 (4): 417-20
5. Results of long term follow-up after compensated fixed-dose therapy for thyrotoxicosis
A Zaini, ASM Khir, SAR Doi, SP Chan, M Paramsothy & BH Khoo
The Journal of International Medical Research, 1992; 20: 279-288
6. Ethnic differences in insulin secretion in women at risk of future diabetes
A Dornhorst, SP Chan, SV Gelding, JSD Nicholls, C Baynes, RS Elkeles, RW Beard, V Anyaoku & DG Johnston
Diabetic Medicine 1992; 9 (3): 258-62
7. Postprandial thermogenesis is reduced in polycystic ovary syndrome and is associated with increased insulin resistance
S Robinson, SP Chan, S Spacey, V Anyaoku, DG Johnston & ST Franks
Clinical Endocrinology 1992; 36: 537-43
8. Insulin resistance is associated with a decrease in postprandial thermogenesis in normal pregnancy
S Robinson, J Viira, J Learner, SP Chan, V Anyaoku, RW Beard & DG Johnston
Diabetic Medicine 1993; 10: 139-145

9. Insulin sensitivity in non-diabetic relatives of patients in non-insulin dependent diabetes in 2 ethnic groups
SV Gelding, R Niththyananthan, SP Chan, E Skinner, S Robinson,
IP Gray, H Mather & DG Johnston
Clinical Endocrinology 1994;40:55-62
10. Multiple endocrine neoplasia type 1 in 2 Asian Families
BT Teh, SI Hii, R David, V Parameswaran, S Grimmond, M Walters,
TT Tan, SP Chan, J Menon, BAK Khalid, A Zaini, J Shepherd, D Cameron,
N Hayward
Human Genetics 1994;94:468-72
11. The influence of maternal glycaemia on birth weight is highly dependent on ethnic origin
JSD Nicholls, SP Chan, A Welch, DL Adamson, K Ali & A Dornhorst
Diabetic Medicine 1994; Suppl 2: 11
12. A reversible dilated cardiomyopathy due to thyrotoxicosis
R Jeyamalar, SP Chan
International Journal of Cardiology 1995;52:83-84
13. Aspects of metabolism in normal and gestational diabetic pregnancy
DG Johnston, RW Beard, SP Chan, A Dornhorst, RS Elkeles, SV Gelding,
JSD Nicholls & S Robinson
Biochem Society Transactions 1995;23:510-14
14. Insulin secretion and sensitivity in women fulfilling WHO criteria for gestational diabetes mellitus
JSD Nicholls, SP Chan, K Ali, RW Beard & A Dornhorst
Diabetic Medicine 1995;12:56-60
15. Correcting for ethnicity when defining large for gestational age infants in diabetic pregnancies
A Dornhorst JSD Nicholls, A Welch, K Ali, SP Chan, RW Beard
Diabetic Medicine 1996;13 (3):226-231
16. Clinicopathologic studies of thymic carcinoids in multiple endocrine neoplasia type 1
BT Teh, J McArdle, SP Chan, J Menon, L Harley, P Pullen, J Ho, Amir K,
S Wlikinson, C Larsson, D Cameron, J Shepherd
Medicine 1997;76:21-29
17. Prohormone convertase 1 in obesity, gestational diabetes and NIDDM – No evidence for a major susceptibility role
K Kalidas, E Dow, PJ Saker, N Wareham, D Halsall, RS Jackson,

SP Chan, S Gelding, M Walker, E Kousta, DG Johnston, S O'Rahilly,
MI McCarthy
Diabetes 1998; 47 (2): 287-9

18. Sudden death during jungle trekking : a case of heat stroke
Kasinathan Nadesan, SP Chan, Catherine MM Wong
Malaysian Journal of Pathology 1998; 20 (2): 49-54
19. Mutation analysis of the MEN1 gene in Multiple Endocrine Neoplasia
type 1, Familial Acromegaly and Familial Hyperparathyroidism
Group 1 : BT Teh et al
Group 2 : Kytola et al
Group 3 : Khodaei et al
Group 4 : Bergman et al
Group 5 : Skogskeld B, Oberg K, Menon J, Amir K, Tan TT, Chan SP, Zaini A,
Khalid BAK
Journal of Clinical Endocrinology and Metabolism 1998; 83: 2621-2626
20. The Elusive Diagnosis of Gestational Diabetes
A Dornhorst, SP Chan
Diabetic Medicine 1998; 15: 7-10
21. Current status of Diabetic Management in Malaysia
Mustaffa E, Wan Mohd Wan Bebakar, SP Chan, Rokiah P, Mafauzy M,
Kumari S, Chandran AA, Ong GKC, Jorgensen LN, Yeo JP
Journal of Asean Federation of Endocrine Societies 1998; 16: 2
(Suppl): 1-13
22. Preliminary report on Somatostatin Receptor Imaging in rare Endocrine
Tumours
BJJ Abdullah, M Paramsothy, ASM Khir & SP Chan
Medical Journal of Malaysia 2000; 55: 169-173
23. A Case Report of Primary Hyperparathyroidism with Severe Bony
Involvement and Nephrolithiasis
SP Chan, FL Hew, G Jayaram, G Kumar, KW Chang & A Tay
Annals Academy of Medicine Singapore 2001; 30: 66-70
24. Metabolic Insulin Resistance Syndrome
FL Hew, SP Chan, Rokiah P, I S Ismail, AS Khir & A Zaini
Journal of Asean Fed of Endocrine Society 2000; 18: 1-5
25. A Simple Tool to Identify Asian women at increased risk of
Osteoporosis
LKH Koh, W Ben Sedrine, TP Torralba, A Kung, S Fujiwara, SP Chan,

QR Huang, R Rajatanavin, KS Tsai, HM Park, JY Register on behalf of the Osteoporosis Self-Assessment Tool for Asians (OSTA) Research Group
Osteoporosis International 2001 (12); 8:699-705

26. Dietary calcium intake in postmenopausal Malaysian women - comparison between the Food Frequency Questionnaire and three-day food records
SS Chee, Suriah AR, Zaitun Y, SP Chan, SL Yap & YM Chan
Asia-Pacific Journal of Clinical Nutrition 2002;11(2): 142-146
27. A Cautionary Tale - traditional therapies for diabetes
Trish Dunning, SP Chan, FL Hew, Rokiah P, Mustaffa A Mohd, G Ward
Diabetes and Primary Care, UK 2001; 3:58-63
28. Characteristics of Type 2 Diabetic patients treated with insulin in Malaysia
Mafauzy M, Mustaffa BE, Wan Mohamad WB, Chan SP, Rokiah P, Kumari S, Chandran AA, Ong GKC, Jorgensen LN, Yeo JP
Journal of the ASEAN Federation of Endocrine Societies 2001; 19 (Suppl):33-39
29. Diabetes Mellitus in a Malaysian teaching hospital: prevalence of diabetes mellitus and frequency of testing for hypercholesterolaemia, proteinuria and HbA1c
CG Ooi, HN Haizee, D Kando, GW Lua, H Phillip, SP Chan, IS Ismail, P Rokiah, A Zaini & FL Hew
Malaysian Journal of Malaysia 2002; 57(2):195-200
30. Repaglinide versus glibenclamide treatment of type 2 diabetes during Ramadan fasting
Mafauzy M on behalf of the Ramadan Study group (Malaysia - SP Chan, K Norshinah, S Kumari, Mustaffa E)
Diabetes Research and Clinical Practice 2002; 58: 45-53
31. The Status of diabetes control in Asia - a cross-sectional survey 24317 patients with diabetes mellitus in 1998
LM Chuang, ST Tsai and TY Tai on behalf of the Diabecare-Asia 1998 Study group (Malaysia- Mustaffa Embong, Mafauzy M, Wan Mohamad WB, SP Chan, Rokiah P, Santha Kumari, A Zaini)
Diabetes Medicine 2002; 19:978-985
32. The Diabcare-Asia 1998 Study - Outcomes on Control and Complications in Type 1 and Type 2 Diabetic Patients
Nitiyanant W, Tandhanand S, Mahtab H, Zhu X. X, Pan C. Y, Raheja B. S, Sathe S. R, Soegondo S, Soewondo P, Kim Y. S, Embong M, Lantion-Ang L,

Lim-Abraham M. A, Lee W. W. R, Wijesuriya M, Tai T. Y, Chuang L. M, Le H. L, Cockram C, Jorgensen L. N, Yeo J. P. and Diabcare Asia Study Group
(R Pendek & SP Chan from Malaysia)

Current Medical Research and Opinion 2002, Vol 18 (5) Jul, pg 317-327

33. Inferior Petrosal Sinus Sampling in the Differential Diagnosis of Cushing's Syndrome – a preliminary report from UMMC
Norlisah AR, BJJ Abdullah, FL Hew & SP Chan
Medical Journal of Malaysia 2003, 58(2):180-6
34. The effect of milk supplementation on bone mineral density in postmenopausal Chinese women in Malaysia
Chee WSS, Suriah AR, Chan SP, Zaitun Y and Chan YM.
Osteoporosis International 2003; DOI: 10.1007/s00198-003-1448-6
35. A comparison of insulin lispro Mix25™ and human insulin 30/70 in the treatment of type 2 diabetes during Ramadan
V. Mattoo, Z. Milicevic, a, J. K. Malonea, M. Schwarzenhofer, A. Ekangakia, L. K. Levitta, L. H. C. Lionga, N. Raisb, H. Tounsi and Ramadan Study Group
(R Pendek & SP Chan from Malaysia)
Diabetes Research and Clinical Practice 2003, Vol. 59, no. 2, 137-143
36. Vitamin D status among postmenopausal Malaysians
Suriah AR, Chee WSS, Zaitun Y & Chan SP (2003).
(Accepted for publication to Asia Pacific Journal of Clinical Nutrition)
37. Alteration of lipid peroxidation and antioxidant enzymes in young Malaysian IDDM patients.
Indran M, Rokiah P, Chan SP, Kuppusamy UR.
Med J Malaysia 2004, Jun;59(2):166-70.
38. Diabetes Control and Complications in Private Primary Healthcare in Malaysia
M Mafauzy on behalf of Diabcare-Malaysia Study group
USM – Wan Mohd WB, Malik M; UM – SP Chan, Rokiah P; MOH – Santhakumari K, Chan KM
Medical Journal of Malaysia 2005; 60 (2); 212-7
39. A preliminary result of the cardiovascular risk factors intervention study
(PIKOM Study): Diabetes mellitus, hypertension and their associated factors
Mafauzy Mohamed, Than Winn, GR Lekhraj Rampal, Abdul Rashid AR, Mustaffa BE and PIKOM Study Group (R Pendek & SP Chan)
Malaysian Journal of Medical Sciences 2005; 12(1); pg. 20 -25

40. Role of nicotinic acid in raising high-density lipoprotein cholesterol (HDL-C) to reduce cardiovascular risk: an Asian/Pacific consensus
The Pan-Asian Consensus Panel on HDL-C (Malaysia – KL Khoo & SP Chan)
British Journal of Diabetes & Vascular Disease 2005; 5 (Suppl 2):S1-S15
41. Comparisons of the outcomes on control, type of management and complications status in early onset and late onset type 2 diabetes in Asia
Lee-Ming Chuang, S Soegondo, Pradana Soewondo, Kim Young-Seol, Mafauzy Mohamed, Edith Dalisay, Ruby Go, Warren Lee, Tai Tong-Yuan, S Tandhanand, W Nitiyanant, Mai The-Trach, Clive Cockram, Yeo JP
Diabetes Research and Clinical Practice 2006, Vol. 71, pg. 146-155
42. Diabetes Control and Complications in Public Hospitals in Malaysia
Mafauzy M and the Diabcare-Malaysia Study Group
(R Pendek & SP Chan)
Med J Malaysia 2006, Vol 61(4), Oct, pg. 477-482
43. International Prevalence, Recognition, and Treatment of Cardiovascular Risk Factors in outpatients with Atherothrombosis
Deepak B, PG Stegg, EM Ohman et al from the REACH Registry investigators (SP Chan et al from Malaysia)
Journal of American Medical Association 2006; 295:180-189, E1-9
44. The Prevalence of vitamin D inadequacy amongst women with osteoporosis: An international epidemiological investigation
P Lips, D Hosking, K Lippuner et al (Investigators: S Chan, MAG Sarvar – Malaysia)
Journal of Internal Medicine 2006; 260:245-54
45. Risk factors for vitamin D inadequacy among women with osteoporosis: An international epidemiological study
R Rizzoli, JA Eisman, J Norquist, O Ljunggren, G Krishnarajah, SK Lim, J Chandler (Investigators: S Chan, MAG Sarvar – Malaysia)
International Journal Clinical Practice 2006; 60:1013-19
46. Clopidogrel and aspirin versus aspirin alone for the prevention of atherothrombotic events
Deepak LB, KAA Fox, Werner H et al for the CHARISMA Investigators (Malaysia – NA bin Kamaruddin, S Pheng Chan & KS Tan)
New England Journal of Medicine 2006; 354 Mar 12:
47. A follow-up study of the Effect of milk supplementation on bone mineral density of postmenopausal Chinese women in Malaysia

48. Role of Metformin in the initiation of pharmacotherapy for type 2 diabetes: An Asian-Pacific perspective
JCN Chan, C Deerochanawong, A Samad S, KH Yoon, JMF Adam, T Va Binh, SP Chan, RE Fernando, CH Lee, Nguyen TK, AD Litonjua, Sidartawan S & P Zimmet
Diabetes Research and Clinical Practice 2007; 75 (3): 255-66
49. Effects of a fixed combination of perindopril and indapamide on macrovascular and microvascular outcomes in patients with type 2 diabetes mellitus (the ADVANCE Trial): a randomized control trial
ADVANCE Collaborative group (UMMC, C Siew Pheng, H Fen Lee, P Rokiah, Y Kim Heoh, L Moi Heng and I Shah B Ismail)
Lancet 2007; 307:829-840
50. Carbimazole-induced agranulocytosis in pregnancy: a case report
SS Lim, Shireene V, Vijay A, Tan TBA, Rokiah P & Chan SP
JUMMEC 2007; 10 (1):34-38
51. Relationship between body composition and bone mineral density in healthy postmenopausal Chinese women in Malaysia
WSS Chee, Ting GP, Tan SY, Chan SP, Zaitun Y & Suriah AR
Jurnal Sains Kesihatan Malaysia 2007; 5 (2):29-38
52. An audit on diabetes management in Asian patients treated by Specialists: the DiabCare-Asia 1998 and 2003 studies
Mafauzy M on behalf of the DiabCare Asia Study group (Malaysia – Mafauzy M, Wan Mohamad WB, Ab Aziz Al-Safi, Chan SP, Rokiah, P Ikram S Ismail et al)
Current Medical Research and Opinions 2008; 24 (2):507-14
53. Intensive blood glucose control and vascular outcomes in patients with Type 2 diabetes
The ADVANCE Collaborative group (SP Chan, FL Hew, Rokiah P, KH Yeoh – UMMC)
New England Journal of Medicine 2008; 358:2560-72
54. The validity and reliability of the Malaysian Osteoporosis Knowledge Tool in postmenopausal women
Pauline SM Lai, SS Chua, SP Chan & WY Low
Maturitas 2008; 60:122-130

OTHER WORK

55. Diet and Diabetes (book) 2000
– LF Lee, in collaboration with SP Chan, A Ngan, A Zaini
56. Gestational Diabetes Mellitus
SP Chan
Medicine Digest, December 1993 (19): 5-9
57. Metabolic Insulin Resistance Syndrome
FL Hew, CG Ooi & SP Chan
Medical Progress 2003;
58. Osteoporosis – Does histomorphometry still have a role to play?
SP Chan
Medicographia 2007; 29 (2):155-6

Proceedings of Conference/Seminar/Workshop

1. 1982 Dengue Outbreak in Malaysia – University Hospital KL experience
NorAzizah Md Taib, SP Chan, T Rethwan, T Pang & SK Lam
Proceedings of the International Conference on Dengue/Dengue Haemorrhagic Fever 1983
2. SLE & Pregnancy
SP Chan, CT Chua & F Wang
2nd International Conference on SLE, Singapore Nov 1989
3. Severe Paralytic Ileus – an unusual presentation of Pheochromocytoma (MEN type 2 syndrome)
R Mohamad, SP Chan & ASM Khir
5th Congress Asean Federation of Endocrine Societies, Singapore 1989
4. Performance of 'Micro-Bumintest' reagent tablets (AMES) for the detection of microalbuminuria in Diabetics
SPChan, B Cuthbertson, SF Yap & ASM Khir
Quarterly Scientific meeting of the Academy of Medicine, January 1990
5. Immunoreactive calcitonin assay in the diagnosis, management and screening for medullary carcinoma of the thyroid
ASM Khir, SP Chan & SL Ch'ng
Quarterly Scientific meeting of the Academy of Medicine, January 1990

6. Prevalence of NIDDM/IGT in a Malaysian rural settlement scheme
A Zaini, ASM Khir, SP Chan, M Oon & M Manivasagar
Ixxth Asia-Oceania Congress on Endocrinology in Indonesia, December 1990
7. Postprandial thermogenesis and increased insulin resistance in polycystic ovarian syndrome
S Robinson, SP Chan, J Learner, J Viira, DG Johnston & S Franks
181st meeting of British Society of Endocrinology, November 1990
8. Abnormalities of intermediary metabolism in glucose tolerant previous gestational diabetic women
SP Chan, RJ McManus, SV Gelding, V Anyaoku, A Dornhorst & DG Johnston
Satellite Symposium to the 14th IDF Congress, Rhode Island USA, June 1991
9. Abnormalities of Insulin release are common to both Black and White women with previous gestational diabetes
A Dornhorst, SP Chan, JSD Nicholls, V Anyaoku, RW Beard & DG Johnston
Satellite Symposium to the 14th IDF Congress, Rhode Island USA, June 1991
10. Postprandial thermogenesis is decreased in normal pregnancy
S Robinson, JSD Nicholls, J Learner, SP Chan, C Murphy, RW Beard & DG Johnston
Satellite Symposium to the 14th IDF Congress, Rhode Island USA, June 1991
11. Insulin resistance in pregnancy complicated by mild gestational diabetes
S Robinson, JSD Nicholls, SP Chan, J Learner, K Ali, R Niththyananthan, RW Beard, C Baynes & DG Johnston
British Diabetic Association meeting, April 1991
12. University Hospital I131 therapy for thyrotoxicosis – 10 year follow-up study
A Zaini, ASM Khir, SP Chan, SAR Doi, M Paramsothy & BH Khoo
UH KL Silver Jubilee Scientific Conference, July 1992
13. Hyperemesis gravidarum – relationship to thyroid function
Nooraini, SP Chan, ASM Khir, A Zaini & V Sivanesratnam
UH KL Silver Jubilee Scientific Conference, July 1992

14. Gestational Diabetes Mellitus – prevalence in University Hospital KL
SP Chan, ASM Khir, A Zaini, M Manivasagar & V Sivanesaratnam
UH KL Silver Jubilee Scientific Conference, July 1992
15. Insulin sensitivity in Afro-Caribbean subjects predisposed to later non-insulin dependent diabetes
SV Gelding, Skinner E, Chan SP, Nithyathananthan R, Mather HM & DG Johnston
Diabetic Medicine 1993; 10 (suppl 1) S28 (poster # 60) - UK
16. Comparison of methods for glycated hemoglobin measurements – column chromatography, rapid test using DCA 2000 analyzer and HPLC
CY Wong, SP Chan, A Zaini & ASM Khir
7th Congress of the Asean Federation of Endocrine Societies, KL, Nov 1993
17. Postsurgical relapse of thyrotoxicosis
SAR Doi, A Zaini, ASM Khir & SP Chan
7th Congress of the Asean Federation of Endocrine Societies, KL, Nov 1993
18. Pheochromocytoma – an institutional approach
Md Shahrudin, KW Chang, SP Chan, ASM Khir & AE Delikan
7th Congress of the Asean Federation of Endocrine Societies, KL, Nov 1993
19. Hyperparathyroidism – the results of surgical management
PH Sim, KW Chang, SP Chan & ASM Khir
7th Congress of the Asean Federation of Endocrine Societies, KL, Nov 1993
20. Prevalence of gestational diabetes in University Hospital KL
Premitha D, SP Chan, SF Lee, Rokiah P, V Sivanesaratnam, M Manivasagar, A Zaini & ASM Khir
7th Congress of the Asean Federation of Endocrine Societies, KL, Nov 1993
21. Evaluation of Encore/Glucometer 4, a non-wipe reflectance meter for home monitoring
Rokiah P, SP Chan, ASM Khir, M Manivasagar, SAR Doi & A Zaini
7th Congress of the Asean Federation of Endocrine Societies, KL, Nov 1993
22. Lipid profile in a rural Malaysian population
ASM Khir, SF Yap, SP Chan & A Zaini
7th Congress of the Asean Federation of Endocrine Societies, KL, Nov 1993

23. Hyperthyroxinaemia in hyperemesis gravidarum – thyrotoxicosis rather than euthyroid hyperthyroxinaemia
Nooraini, SP Chan, A Zaini & ASM Khir
7th Congress of the Asean Federation of Endocrine Societies, KL,
Nov 1993

24. Gestational Diabetes mellitus – the University Hospital experience
Premitha D, SP Chan, Rokiah P, M Manivasagar V Sivanesratnam, A Zaini & ASM Khir
Malaysian Congress of Obstetrics & Gynaecology, KL, Jun 1994
- obtained the prize for Best Obstetric presentation

25. The influence of maternal glycaemia on birth weight is highly dependent on ethnic origin
JSD Nicholls, SP Chan, A Welch, DL Adamson, K Ali & A Dornhorst
British Diabetic Association meeting, Lancaster UK, September 1994

26. Multiple endocrine neoplasia type 1 in 2 Asian Families
BT Teh, SP Chan, TT Tan, SI Hii, N Hayward, R David, J Shepherd, C Larsson & D Cameron
10th Asia-Oceania Congress on Endocrinology, Beijing, China, Nov 1994

27. Prevalence of GDM in the ASEAN region
A Litonjua for the ASCODIP group (SP Chan and A Zaini for Malaysia)
2nd International Symposium on Diabetes and Pregnancy in the 1990's,
Jerusalem, Mar 1995

28. What's new in Multiple Endocrine Neoplasia
SP Chan, ASM Khir
Malaysia-Singapore 29th Congress of Medicine, KL, Aug 1995

29. Correcting for ethnicity when defining large for gestational age infants in diabetic pregnancies
A Dornhorst JSD Nicholls, A Welch, K Ali, SP Chan, RW Beard
31st Annual meeting of the EASD (European Society for the Study of Diabetes), Stockholm, Sept 1995

30. ASCODIP report – prevalence and outcome data from the ASEAN region
SP Chan & A Zaini
8th Federation of Endocrine Societies Congress, Manila, Dec 1995

31. Pregnancy and Diabetes – impact of management on pregnancy outcome
SP Chan
3rd Annual Congress of the Perinatal Society of Malaysia, KL, Jan 1996
32. Management of Diabetes in the ICU and Surgery
SP Chan
Penang International Teaching Course on Endocrinology and Metabolism,
Penang, Jul 1996
33. Medullary Carcinoma of the thyroid
KW Chang, ASM Khir, SP Chan & A Zaini
2nd Scientific Congress of Surgeons of Asia, Singapore, Aug 1996
34. Breakfast tolerance test – an acceptable test for diagnosis of Gestational Diabetes mellitus
Rokiah P, CK Tan, CK Ang, SP Chan, A Zaini & ASM Khir
3rd WPR-International Diabetes Federation Congress, Hong Kong, Sept 1996
35. Medical problems in pregnancy Symposium– Medical management
SP Chan
1st MOH-AMM Scientific meeting KL, Oct 1996
36. Dyslipidaemia in special groups – Diabetes, Elderly and Women
SP Chan
Consensus Statement of Management of hyperlipidaemia
MOH-AMM KL, Jan 1997
37. Update of Management of Osteoporosis
SP Chan
Annual Scientific meeting of College of Physicians/Academy of Medicine of Malaysia,
KL, May 1997
38. Visualisation techniques in the localisation of medullary thyroid carcinoma and pheochromocytoma in UHKL
ASM Khir, SP Chan, R Pendek, M Paramsothy, BJJ Abdullah, KW Chang
MEN Conference, Amsterdam, June 1997
39. Molecular genetic studies in MEN2, familial and sporadic medullary thyroid carcinoma and familial bilateral pheochromocytoma in UH KL
ASM Khir, SP Chan, R Pendek, KW Chang, BT Teh, C Larsson
MEN Conference, Amsterdam, June 1997

40. Metaplan Management of Dyslipidaemia
SP Chan (Co-organiser)
Kuala Trengganu, Sept 1997
41. Dilemma in treating the Diabetic patient with dyslipidaemia
SP Chan (workshop facilitator)
Far East Lipid Forum, Penang, Nov 1997
42. How good is Diabetic control in Malaysian hospitals ?
Ikram SI, Khalid BAK, Wan Nazaimoon, WM Letchumanan, Farifdah BI, Rokiah P, M Singaraveloo, SP Chan
9th Congress of the AFES, Singapore, Dec 1997
43. Molecular genetic studies of MEN and related sporadic tumours – Survey of ASEAN countries (need for a regional registry)
ASM Khir, SP Chan, Rokiah P, G Puavillai, K Lam
9th Congress of the AFES, Singapore, Dec 1997
44. What is the current state of diabetic management in Asia?
BE Mustaffa on behalf of the Asean countries
Undertaken by BE Mustaffa, SP Chan, Wan Mohd WB, Mafauzy & Rokiah P (for Malaysia)
9th Congress of the AFES, Singapore, Dec 1997
45. GDM – Report for ASCODIP
Ann Tan, SP Chan, A Zaini, A Litonjua, Deerochanawong, J Adam
9th Congress of the AFES, Singapore, Dec 1997
46. Malaysian Practice Guidelines for type 2 DM
SP Chan
2nd MOH-AMM Scientific Meeting, Nov 1998
Medical Journal of Malaysia 1998; Suppl B: 11
47. What is Osteoporosis ?
SP Chan
2nd Annual Scientific Meeting on Osteoporosis, KL, Oct 1998
48. Differences between the New ADA and WHO criteria for the diagnosis of Diabetes Mellitus
SP Chan, Rokiah P, FL Hew, Ikram SI, M Manivasagar, LF Lee, Zaitun Y, ASM Khir & A Zaini
4th International Diabetes Federation Western Pacific Region Congress in Sydney, Australia, Aug, 1999

49. LisPro in the month of Ramadhan
Rokiah P, SP Chan, FL Hew, Ikram SI, LF Lee, M Manivasagar, TS Low, ASM Khir & A Zaini
4th International Diabetes Federation Western Pacific Region Congress
in Sydney, Australia, Aug, 1999
50. Current Management of Diabetes in Asia - The DiabCare-Asia Project
Lantion-Ang L, Hajera M, Pan CY, Zhu XX, Raheja BS, Sathe SR, Soweando P, Soegondo S, Mustaffa BE, Lim-Abraham MA, Lee WR, Wijesuriya M, Tai TY, Sunthorn T, Nitiyanant W, Le HL, Jorgensen LN, Yeo JP and the Diabcare-Asia Study Group
(Malaysia - Mustaffa BE, Mafauzy M, Wan Mohd WB, SP Chan, Rokiah P, S Kumari, A Zaini & YM Liew)
Xth AFES Conference, Bangkok, 1-4th Dec, 1999
JAMA Southeast Asia 1999 (suppl); 15 (1):42-44
51. The Diabcare-Asia Project-An observational Study on Diabetic Management in Asia
Jorgensen LN, Hajera M, Pan CY, Zhu XX, Raheja BS, Sathe SR, Soweando P, Soegondo S, Mustaffa BE, Lantion-Ang L, Lim-Abraham MA, Lee WR, Wijesuriya M, Tai TY, Sunthorn T, Nitiyanant W, Le HL, Yeo JP and the Diabcare-Asia Study Group
Malaysia - Mustaffa BE, Mafauzy M, Wan Mohd WB, SP Chan, Rokiah P, S Kumari, A Zaini & YM Liew)
Xth AFES Conference, Bangkok, 1-4th Dec, 1999
JAMA Southeast Asia 1999 (suppl); 15 (1):40-41
52. Diabetes Treatment and Monitoring in Asia-Outcome from the Diabcare-Asia Project
Zhu XX, Pan CY, Hajera M, Raheja BS, Sathe SR, Soweando P, Soegondo S, Mustaffa BE, Lantion-Ang L, Lim-Abraham MA, Lee WR, Wijesuriya M, Tai TY, Sunthorn T, Nitiyanant W, Le HL, Jorgensen LN, Yeo JP and the Diabcare-Asia Study Group
Malaysia - Mustaffa BE, Mafauzy M, Wan Mohd WB, SP Chan, Rokiah P, S Kumari, A Zaini & YM Liew)
Xth AFES Conference, Bangkok, 1-4th Dec, 1999
JAMA Southeast Asia 1999 (suppl); 15 (1):45-46
53. Diabetes Complications in Asia-Outcome from the Diabcare-Asia Project
Soegondo S, Hajera M, Pan CY, Zhu XX, Raheja BS, Sathe SR, Soweando P, Mustaffa BE, Lantion-Ang L, Lim-Abraham MA, Lee WR, Wijesuriya M, Tai TY, Sunthorn T, Nitiyanant W, Le HL, Jorgensen LN, Yeo JP and the Diabcare-Asia Study Group
Malaysia - Mustaffa BE, Mafauzy M, Wan Mohd WB, SP Chan, Rokiah P,

54. Comparison between the 1997 ADA criteria versus the 1998 WHO recommendation for the diagnosis of Diabetes Mellitus in a Malaysian population
SP Chan, Rokiah P, FL Hew, Ikram SI, M Manivasagar, LF Lee, *Zaitun Y, *Hazizi AS, AC Tee, ASM Khir & A Zaini
Dept of Medicine, Faculty of Medicine, University of Malaya,
& * Dept of Nutr Science, Universiti Putra Malaysia, Kuala Lumpur, Malaysia
X th AFES Conference, Bangkok, 1-4th Dec, 1999
Journal Asean Federation of Endocrine Societies; Jan 2000;
vol 18 suppl (1); 36
55. Progression of Glucose Intolerance and Diabetes Mellitus in a 10 year follow-up study of non-communicable diseases in a rural population in Malaysia
SP Chan, Rokiah P, LF Lee, FL Hew, Ikram SI, M Manivasagar, *Zaitun Y, *Hazizi AS, AC Tee, ASM Khir & A Zaini
X th AFES Conference, Bangkok, 1-4th Dec, 1999
(nominated for the Servier Award for Distinguished Research in Diabetology)
Journal Asean Federation of Endocrine Societies; Jan 2000;
vol 18 suppl (1); 14
56. Diabetes Care Data Collection Project : Control in Type 2 diabetic patients
Mafauzy M, Mustaffa BE, Wan Mohd WB, Rokiah P, SP Chan, S Kumari
X th AFES Conference in Bangkok, 1-4th Dec, 1999
Journal Asean Federation of Endocrine Societies; Jan 2000; vol 18 suppl (1); 45
57. Diabetes Mellitus in Malaysia
Mustaffa BE, Mafauzy M, Wan Mohd WB, SP Chan, Rokiah P, S Kumari, A Zaini & YM Liew
Xth AFES Conference in Bangkok, 1-4th Dec, 1999
Journal Asean Federation of Endocrine Societies; Jan 2000;
vol 18 suppl (1); 60
58. Current Management of Diabetes in Asia – The DiabCare-Asia Project
Lina Lantion-Ang and the DiabCare-Asia Study group
Malaysia is part of the Group (member of the Malaysian study group)
X th AFES Conference in Bangkok, 1-4th Dec, 1999

59. Diabetic Drug Therapy – Old & New
SP Chan
Annual Scientific Meeting & AGM, PMPAS Selangor & College of Physicians, KL
April 2000
60. Risk Factors associated with Bone Health status among a sample of pre-menopausal and post-menopausal Chinese women in the Klang Valley
Chan YM, Zaitun Y, Chee SS, Suriah AR, Chan SP, Lee LF, Yap SL, Mirnalini K, Siti K
15th Scientific Conference of the Nutrition Society of Malaysia,
May 2000, KL
61. Dietary Calcium intake and Bone Mineral Density in postmenopausal women in Malaysia
Chee SS, Suriah AR, SP Chan, Zaitun Y, Chan YM, Yap SL, Rokiah P & Hew FL
Bone Health Symposium, Kuala Lumpur
16th October 2000
62. The features of Insulin Resistance Syndrome in subjects with Diabetes
Ng CH, Raveendran R, Chong WP, Chan SP, Ooi CG, Rokiah P, Ismail IS, Zaini & Hew FL
12th National Biotechnology Seminar, November 2000, Lumut
63. Measurement of Insulin Sensitivity with Insulin Tolerance Test in Diabetic subjects
Ng CH, Chong WP, Raveendran R, Chan SP, Ooi CG, Rokiah P, Ismail IS, Manivasagar M, Zaini A & Hew FL
12th National Biotechnology Seminar, November 2000, Lumut
64. Diabetes Care Data Collection Project: The Care of Diabetic Patients in Major Hospitals in Malaysia
Mafauzy M, BE Mustaffa, WB Wan Mohamad, P Rokiah, SP Chan, S Kumari, YM Liew, GKC Ong, LN Jorgensen, JP Yeo
16th International Diabetes Federation Congress, Mexico, Nov 2000, Diabetes Research and Clinical Practice, 2000, Suppl, S323
65. The effect of moderate dietary fat modification on the lipid profile of subjects with mixed hyperlipidaemia.
Hew FL, Ng CH, Hawa S, Rokiah I, Lee LF, Haszlin H, Hazreen H, Raveendran R, Chong WP, Ooi CG, Zaini A & Chan SP

66. Cardiovascular Risk Factor Clustering in Type 2 Diabetes Mellitus / Glucose Intolerant Malaysians
SP Chan, Rokiah P, Ikram SI, Wan Mohd W B, Abd Rashid AR, Mafauzy M, Rushidi R, Ismail S, Zainal O, Zaitun Y, Nawalyah AG & on behalf of the CVD-IRPA Research Group
Asia-Pacific Atherosclerosis and Vascular Disease Conference, Jan 2001, KL
67. Lipid abnormalities in subjects with type 2 diabetes mellitus in Malaysia.
Hew FL, Chan SP, Ng CH, Chong WP, Raveendran R, Ooi CG, Rokiah P, IS Ismail & A Zaini
Asia-Pacific Atherosclerosis and Vascular Disease Conference, Jan 2001, KL
68. Factors influencing Bone Mineral Density of Postmenopausal Chinese women in the Klang Valley
SS Chee, Suriah AR, SP Chan, Zaitun Y, YM Chan, SL Yap
16th Scientific Conference of the Nutrition Society of Malaysia, March 2001, KL
69. Anthropometric and biochemical characteristics of Malay postmenopausal women in the Klang Valley
Rani S, Zaitun Y, Suriah AR, Chee SS, SP Chan, YM Chan, SL Yap
16th Scientific Conference of the Nutrition Society of Malaysia, March 2001, KL
70. A clinical Tool for Identifying Postmenopausal Asian women with Osteoporosis
KS Tsai, QR Huang, R Rajatanavin, SP Chan, MI Kang, A Kung, SB Chionh, W Ben Sedrine & JY Reginster
International Society for Clinical Densitometry, Dallas, March 2001
71. A Simple Clinical Tool to Identify Asian Women with Osteoporosis
A Kung, KH Park, LH Chen, TC Lau, SP Chan, QR Huang, R Rajatanavin, T Torralba, L Radican, P Ross, JY Reginster, W Ben Sedrine for the Osteoporosis Risk Assessment Tool for Asia Research Group
Endocrine Society 2001, Denver, June 2001
72. Validation of a simple clinical tool to identify Asian women with osteoporosis
R Rajatanavin, KS Tsai, SP Chan, A Kung, QR Huang, MI Kang, SB Chionh,

T Torallba, W Ben Sedrine & JY Reginster for the Osteoporosis Risk Assessment Tool for Asia Research Group
1st Joint Meeting of the International Bone and Mineral Society and the European Calcified Tissue Society, Madrid, June 2001

73. Prevalence of Obesity among Postmenopausal Chinese women on the Klang Valley
Zaitun Y, Chan YM, Chee SS, Suriah AR, Chan SP, Lee LF, Yap SL & Kandiah
4th MASO Meeting on Obesity, June, 2001
74. Relationship between body size measurements with bone mineral density among Malay postmenopausal women
Rani S, Zaitun Y, Suriah AR, Mirnalini K, Chee SS, Chan SP, Rokiah P & Chan YM
4th MASO Meeting on Obesity, June, 2001
75. A Simple Clinical Tool to Identify Asian Women with Osteoporosis
WB Zhang, P Ho, CS Shih, IK Han, SP Chan, L Radican, P Ross, JY Reginster
W Ben Sedrine for the Osteoporosis Risk Assessment Tool for Asia Research Group
9th Annual Conference on women's Health & Gender based Medicine, Washington DC, June 2001
76. Factors influencing Bone Mineral Density in postmenopausal Chinese women in KL
SS Chee, Suriah AR, SP Chan, Zaitun Y, YM Chan & SL Yap
International Conference on recent Development in Statistics & its applications, June 01
77. Analysis of Glibenclamide in plasma and adulterated traditional medicine preparation using HPLC and SPE
Mustafa AM, S Sathya, Z Mohamad, P Rokiah, SP Chan & FL Hew
16th Scientific Meeting of the Malaysian Society of Pharmacology and Physiology, June KL, 2001
78. Use of the Insulin Tolerance Test and Oral Glucose Tolerance Test in the Assessment of Insulin Release and insulin sensitivity: A Comparison with HOMA and QUICKI
CH Ng, Ooi CG, ML Ng, Chan SP, Zaini A & Hew FL
RMK7 & IRPA Research Seminar, Universiti Malaya, KL, pg 376-9, Jul 2001
79. Pattern of Dyslipidaemia and features of Insulin Resistance Syndrome
CH Ng, Ooi CG, ML Ng, Chan SP, IS Ismail, Rokiah P, Zaini A & Hew FL
RMK7 & IRPA Research Seminar, Universiti Malaya, KL, pg 380-3, Jul 2001

80. The Thrombophilic State of Malaysians
N Menaka, SP Chan, KB Ng & N Syamala
RMK7 & IRPA Research Seminar, Universiti Malaya, KL, pg 254-5,
Jul 2001

81. Investigation of Free radical Generation and its prevention by trace
elements & flavanoids in diabetes mellitus
Kuppusamy UR, Indran M, Rokiah P, Chan SP, ME Phipps & Ong G
RMK7 & IRPA Research Seminar, Universiti Malaya, KL, pg 474-7,
Jul 2001

82. Dietary calcium intake and lifestyle factors associated with bone
health status among a sample of post-menopausal Chinese women in
Malaysia
Zaitun Y, Chan YM, Chee SS, Suriah AR, Chan SP & Mirnalini K
17th International Congress of Nutrition, August 2001, Vienna, Austria,
Annals of Nutrition & Metabolism, 45 (S1):248

83. Relationship of Dietary Calcium intake and Physical activity with Bone
Health status among Postmenopausal Chinese women in the Klang
Valley
Zaitun Y, YM Chan, Suriah AR, SP Chan, Kandiah M, SS Chee, SL Yap,
LF Lee & Rokiah P
35th Malaysia-Singapore Congress of Medicine, Aug 2001
Medical Journal of Malaysia 2001; 56 (Suppl B):117

84. Determinants of Bone Mineral Density among Malay Postmenopausal
women in the Klang Valley
S Rani, Y Zaitun, AR Suriah, K Mirnalini, SS Chee, SP Chan, P Rokiah &
YM Chan
35th Malaysia-Singapore Congress of Medicine, Aug 2001
Medical Journal of Malaysia 2001; 56 (Suppl B):116

85. Lower risk of Hypoglycaemia with repaglinide compared to
glibenclamide during Ramadhan fasting in Muslim patients with type
2 diabetes mellitus
M Mafauzy, on behalf of the Ramadhan Study group
UMMC - SP Chan & A Zaini
EASD, Glasgow, September 2001

86. Characteristics of Women with Previous Gestational Diabetes mellitus
who progress to type 2 diabetes mellitus/IGT
SP Chan, Rokiah P, FL Hew, IS Ismail, M Manivasagar, LF Lee, Zainab K,
S Zawiah, Thaneemalai J, Z Izuan A, Fadhli MS & A Zaini
11th Asean Federation of Endocrine Societies, Indonesia, Nov 2001
Journal of Asean Federation of Endocrine Societies 2002; vol 20, no.
1(Suppl):81

87. Glucose metabolism in diabetic and non-diabetic subjects with features of Metabolic Insulin Resistance syndrome.
CH Ng, Ooi CG, ML Ng, SP Chan, IS Ismail, Rokiah P, Zaini A & FL Hew
11th Asean Federation of Endocrine Societies, Indonesia, Nov 2001
Journal of Asean Federation of Endocrine Societies 2002;
vol 20, no. 1(Suppl):72
88. Alternative / complementary medication – Risks and Dangers
SP Chan, T Dunning, FL Hew, Rokiah P, Mustafa AM & G Ward
11th Asean Federation of Endocrine Societies, Indonesia, Nov 2001
Journal of AFES 2002; vol 20, no. 1(Suppl):158
89. Dyslipidaemia in subjects with type 2 diabetes mellitus in Malaysia
CH Ng, Hew FL, Chan SP, Ooi CG, Rokiah P, Ismail IS, Zaini A
11th Asean Federation of Endocrine Societies, Indonesia, Nov 2001
Journal of AFES 2002; vol 20, no. 1(Suppl):122
90. Diabetes mellitus in a Malaysian Teaching Hospital: Prevalence of Diabetes mellitus and frequency of testing for hypercholesterolaemia, proteinuria and HbA1c
FL Hew, CG Ooi, HN Haizee, D Kando, GW Lua, H Phillip, SP Chan, IS Ismail, R Rokiah & A Zaini
11th Asean Federation of Endocrine Societies, Indonesia, Nov 2001
Journal of AFES 2002; vol 20, no. 1(Suppl):103
91. Oxidative stress in Malaysian Diabetic patients
Kuppusamy UR, Indran M, Rokiah P, Chan SP, ME Phipps & Ong G
11th Asean Federation of Endocrine Societies, Indonesia, Nov 2001
Journal of Asean Federation of Endocrine Societies 2002;
vol 20, no. 1(Suppl):88
92. Prevalence of type 2 diabetes mellitus/glucose intolerance and clustering of the Metabolic Insulin Resistance syndrome in rural Malaysians
SP Chan, Rokiah P, Ikram SI, FL Hew, Wan Mohd W B, Mafauzy M, Rushidi R, Ismail S, Zaitun Y, Nawalyah AG, Hapizah N, Khalid Y & Abd Rashid A R for the CVD-Research Group
11th AFES, Indonesia, Nov 2001, Journal of AFES 2002;
20, 1(Supplement):71
- won BEST ORAL PRESENTATION AWARD
93. Knowledge, attitude and practice associated with osteoporosis among Malays post-menopausal women in the Klang Valley
Rani S, Zaitun Y, Suriah AR, Mirnalini K, Chee SS, Chan SP, Rokiah P & Chan YM
17th Scientific Conference of Nutrition Soc of Malaysia, March 2002, Kuala Lumpur

94. Advances in the Management of Obesity in the Primary Care Setting
SP Chan, FL Hew, Winnie SS Chee, CJ Ng
Asia-Pacific Journal of Public Health 2002 (Special Issue); 24
95. Management of Hypertension in the Primary Care Setting
YC Chia, CT Chua & SP Chan
Asia-Pacific Journal of Public Health 2002 (Special Issue); 19-20
96. Taking the Sweetness out of Diabetic Pregnancies
SP Chan
1st National Workshop on Medical Disorders in Pregnancy,
24-25th Aug 2002
97. Dietary calcium intake and bone mineral density among postmenopausal Malay Women in the Klang Valley
Zaitun Y, Rani S, Suriah AR, Mirnalini K, Chee WSS, Chan SP, Rokiah P & Chan YM
UPM Invention and Research Exhibition, August 2002, Serdang.
(Certificate of Award – Silver Medal)
98. Diabetes Prevention with Lifestyle modification
SP Chan
3rd Asian Congress of Dietetics, Kuala Lumpur, 18-21 Aug 2002
99. Low vitamin D status amongst postmenopausal women in Malaysia
Suriah AR, Chee WSS, Zaitun Yassin, Chan SP
3rd Asian Congress of Dietetics, August 2002, Kuala Lumpur
100. Does current dietary intake and physical activity influence the bone mineral density of urban postmenopausal Chinese women? A cross-sectional study
Chan YM, Zaitun Y, Suriah AR, Chan SP, Mirnalini K, Chee SS, Lee LF & Yap SL
3rd Asian Congress of Dietetics, 18-21 August 2002, Kuala Lumpur
101. Food frequency questionnaire useful to assess calcium intake in postmenopausal Malaysian women
Chee WSS, Suriah AR, Zaitun Y, Chan SP & Chan YM
The 5th International Conference on Dietary Assessment Methods,
Jan 2003, Chiang Rai Thailand
102. Measuring dietary calcium intake among Malay postmenopausal women
A comparison of 3-day food record and food frequency questionnaire
Mirnalini K, Rani S, Zaitun Y, Suriah AR, Chee WSS, Chan SP

The 5th International Conference on Dietary Assessment Methods,
Jan 2003, Chiang Rai Thailand

103. Measurement of Urine microalbumin by urine dipstick method (Micral) and Immunoturbidimetry method
Chew YY, Wong VF, Chan SP & Yap SF
13th Annual Scientific Meeting of Malaysian Association of Clinical Biochemists, KL, June 2003
104. Intake of micronutrients and antioxidant status of subjects with type 2 diabetes mellitus
Zaitun Y, Hazizi AS, Kandiah M & Chan SP
5th MCBN-UNESCO/COSTAM/SFRR (Malaysia/Asean) Workshop,
16-20 July 2003, Sabah
105. Effect of micronised fenofibrate on the features of the metabolic insulin resistance syndrome in dyslipidaemic subjects with and without diabetes
FL Hew, CH Ng, CG Ooi, SP Chan, ML Ng, P Rokiah, IS Ismail & A Zaini
Diabetes & Metabolism 2003; 29:45-121
106. Effect of micronised fenofibrate on lipid and glucose metabolism in dyslipidaemic patients with and without diabetes mellitus
CH Ng, FL Hew, SP Chan, CG Ooi, P Rokiah, IS Ismail & A Zaini
Diabetes & Metabolism 2003; 29:45-143
107. Lipid profile in subjects with type 2 diabetes and matched healthy control in Malaysia
SP Chan, CH Ng, FL Hew, CG Ooi, P Rokiah, IS Ismail, A Zaini
Diabetes & Metabolism 2003; 29:45-316
108. Knowledge, risk perceptions of Malaysian women with previous gestational diabetes mellitus - basis for lifestyle intervention
LF Lee, H Yadav, YM Chan, H Haszlin, AK Zainab, P Rokiah & SP Chan
Diabetes & Metabolism 2003; 29:45-390
109. Fasting and 2 hour glucose, Fasting triglyceride, BMI and blood pressure are predictors for development of type 2 diabetes in Malaysian subjects. A prospective 10 year follow-up community-based study
SP Chan, P Rokiah, CH Ng, FL Hew, LF Lee, Zaitun Y, CG Ooi, IS Ismail, M Manivasagar, Hazizi AS, WF Chew & A Zaini
12th Congress of Asean Federation of Endocrine Societies (AFES), Singapore, Dec 2003
Journal of the ASEAN Federation of Endocrine Societies 2003; 21(1/2 Supplement):45

110. The incidence of diabetes and impaired glucose tolerance in a rural population in Malaysia. A prospective 10 year follow-up community based study
P Rokiah, SP Chan, FL Hew, CH Ng, Zaitun Y, LF Lee, M Manivasagar, IS Ismail, Hazizi AS, WF Chew & A Zaini
12th Congress of AFES, Singapore, Dec 2003
Journal of the ASEAN Federation of Endocrine Societies 2003; 21(1/2 Supplement):46
111. Low HDL cholesterol predicts response to fibrate in dyslipidaemic subjects with or without diabetes
CH Ng, FL Hew, SP Chan, CG Ooi, Rokiah P, IS Ismail & A Zaini
12th Congress of AFES, Singapore, Dec 2003
Journal of the ASEAN Federation of Endocrine Societies 2003; 21(1/2 Supplement):53
112. Prevalence of Type 2 DM/IGT in women with a previous history of gestational diabetes mellitus
WF Chew, Chee SS, Lee LF, Rokiah P, Zainab AK, Hawa MT, Rokiah I, Haszlin H, Chan YM & Chan SP
12th Congress of AFES, Singapore, Dec 2003
Journal of the ASEAN Federation of Endocrine Societies 2003; 21(1/2 Supplement):65
113. Ideal management of MEN 2A Syndrome fails despite having laboratory facilities - A Malaysian experience
ASM Khir, JAMA Tan, SP Chan
7th Asia-Oceania Thyroid Association Congress, Singapore, Dec 2003
114. Diabetes and Hypertension – How Aggressive should treatment be?
SP Chan
Malaysian Society of Hypertension 2nd Scientific Meeting,
22-24 Jan 2005
115. Antenatal Monitoring of the Diabetic Mother
SP Chan
12th Annual Perinatal Congress, Seremban, 17-20 Mar 2005
116. Outcome of Pregnancy complicated by Maternal Diabetes
SP Chan
12th Annual Perinatal Congress, Seremban, 17-20 Mar 2005
117. Rational Use of Oral Anti-diabetic agents in Type 2 diabetes mellitus
SP Chan
4th ASEAN Conference in Primary Healthcare, Ipoh, 17-20 Mar 2005

118. Osteoporosis – Identifying the At-Risk Patient
SP Chan
5th Malaysian Congress on Menopause, Kuala Lumpur,
21-24 April 2005
119. Metabolic Syndrome and Cardiovascular Risk
SP Chan
University of Malaya Centennial Celebration - International Conference
on Health Sciences, Malaysia, 6-8 May 2005
120. Quantitative and Qualitative Evaluation of Osteoporosis Patients
P Lai, SS Chua & SP Chan
University of Malaya Centennial Celebration - International Conference
on Health Sciences, Malaysia, 6-8 May 2005
121. Antenatal and historical factors as the Predictors of Glucose Intolerance
among Women with Prior gestational diabetes mellitus
WF Chew, LF Lee, Rokiah P, WSS Chee, CH Ng, Zainab AK, Haszlin H, Hawa
MT, Rokiah I, YM Chan and SP Chan
Journal of Medical Association of Thailand 2005; 88 (suppl 6): S140
122. Association between c-reactive protein and features of the Metabolic
Syndrome in a rural population of Malaysia – a preliminary analysis
SP Chan, Rokiah P, YY Chew, CH Ng, Zaitun Y, Hazizi AS, Manivasagar M,
WF Chew, Rokiah MY, IS Ismail and A Zaini
Journal of Medical Association of Thailand 2005; 88 (suppl 6): S177
123. C-reactive protein is associated with varying degrees of glucose
tolerance results from a rural population
YY Chew, Rokiah P, CH Ng, Zaitun Y, Hazizi AS, Manivasagar M, IS Ismail,
A Zaini & SP Chan
Journal of Medical Association of Thailand 2005; 88 (suppl 6): S179
124. Metabolic Syndrome – Malaysia
SP Chan
Journal of the Asean Federation of Endocrine Societies 2005; 23 (1): S14
125. Glucocorticoid-induced Osteoporosis
SP Chan
Journal of the Asean Federation of Endocrine Societies 2005; 23 (1): S28
126. Prevalence of Vitamin D inadequacy among Community dwelling
Postmenopausal Malaysian women with Osteoporosis
SP Chan, Malik M, E Goh, S Zarina AH, Dhamendra, KS Oh, ASM Khir,
Krishnarajah G & SS Yeap
Journal of the Asean Federation of Endocrine Societies 2005; 23 (1): S78

127. Prevalence of the Metabolic Syndrome in a Rural population in Malaysia. Comparison between the ATP III (2004), WHO (1998) and the IDF 2005 Consensus Guidelines
SP Chan, YY Chew, Rokiah P, V Shireene, SS Lim, A Vijay, WF Chew, CH Ng, M Manivasagar Hazizi AS, Zaitun Y, ROKiah MY, Nawalyah AG, IS Ismail & A Zaini
Journal of the Asean Federation of Endocrine Societies 2005; 23 (1): S100

128. A Study of Risk Factors for Cardiovascular Disease and Type 2 diabetes
Rokiah P, YY Chew, CH Ng, Zaitun Y, Hazizi AS, SS Lim, Vijay A, M Manivasagar, WF Chew, IS Ismail & SP Chan
Journal of the Asean Federation of Endocrine Societies 2005; 23 (1): S62

129. Cut-off levels for Obesity Indices associated with Cardiovascular Risk Factors in women with previous gestational diabetes mellitus in Malaysia
WF Chew, Rokiah P, LF Lee, CH Ng, WSS Chee, Rokiah I, Haszlin H, Hawa MT, YM Chan & SP Chan
Journal of the Asean Federation of Endocrine Societies 2005; 23 (1): S99

130. Prevalence of the Metabolic Syndrome in patients attending an Outpatient Diabetes clinic, UMMC, Preliminary analysis comparison between the ATP III (2004) and the IDF 2005 Consensus
Rokiah P, WJ Loh, WF Chew, V Shireene, SS Lim, A Vijay, KY Ong, IS Ismail & SP Chan
Journal of the Asean Federation of Endocrine Societies 2005; 23 (1): S115

131. Serum gamma-GT and risk of Metabolic Syndrome and Type 2 diabetes in a rural population in Malaysia
YY Chew, Rokiah P, CH Ng, Zaitun Y, Hazizi AS, A Vijay, SS Lim, M Manivasagar, WF Chew, SF Yap, Is Ismail, A Zaini & SP Chan
Journal of the Asean Federation of Endocrine Societies 2005; 23 (1): S56

132. Glucocorticoid induced osteoporosis
SP Chan
12th APLAR Congress of Rheumatology, KL 1-15 Aug 2006; Pg 121

133. High prevalence of vitamin D inadequacy among community-dwelling postmenopausal women with osteoporosis
SP Chan, P Lips, J Chandler, K Lippuner, S Ragi-Eis, J Norquist, P Delmas, L Wehren & D Hosking
APLAR Journal of Rheumatology 2006; 9 (Suppl 1): A62

134. Metabolic Syndrome: its significance and application in clinical practice
SP Chan
World Congress of Pathology and Laboratory Med, KL,
20 – 24 Aug 2007
Malaysian J Pathol 2007; 29 (Suppl A):50
135. Association between fibrinogen and features of the Metabolic syndrome in a rural population
Chew YY, Chan SP, Rokiah P, Manivasagar M, Shireene V, Vijay A, Zaitun Y & Hazizi AS
World Congress of Pathology and Laboratory Med, KL,
20 – 24 Aug 2007
Malaysian J Pathol 2007; 29 (Suppl A):159
136. Comparison between serum apolipoprotein B and non-HDL cholesterol in the dyslipidaemic classification of T2DM
Chew YY, Chan SP, Rokiah P, Manivasagar M, Vijay A, SS Lim, Hazizi AS & Zaitun Y
World Congress of Pathology and Laboratory Med, KL,
20 – 24 Aug 2007
Malaysian J Pathol 2007; 29 (Suppl A):159
137. Influence of CYP2C19 genotype on the pharmacokinetics of R483, a novel thiazolidinedione, in Type 2 diabetes mellitus
Bogman K1, Silkey M1, Chan Siew Pheng2, Tomlinson B3, Weber C1
1 F. Hoffmann-La Roche Ltd, Basel, Switzerland; 2 University of Malaya, Kuala Lumpur, Malaysia; 3 Prince of Wales Hospital, Hong Kong
8th Conference of European Association of Clinical Pharmacology & Therapeutics, Aug 28 - Sept 1, 2007 Amsterdam, Netherlands
138. Patient And Physician Attitudes Toward Vitamin D In Osteoporosis Treatment
SP Chan1, JA West2, LE Wehren 2, SS Sen2
29th American Society of Bone and Mineral Research Conference, Honolulu, USA, 16 – 19 Sept 2007
139. Glycaemic control goal attainment among T2DM patients taking oral anti-diabetic agents for at least 6 months in the Asia Pacific region – results of the RECAP study
Chan SP, W Nitiyanant, SH Baik, LN Ji, WHH Sheu, PS Dellea, S Rajogopalan, D Yin, G Krishnarajah on behalf of Asia RECAP-DM Study Team
14th Congress of Asean Federation of Endocrine Societies (AFES), KL, 29 Nov – 2 Dec 2007
Journal of AFES 2007; 24 (Suppl 1): 76

140. Experience of hypoglycaemic symptoms is associated with lower quality of life among patients with type 2 diabetes on oral anti-diabetic agents in Asia Pacific (AP) region
Chan SP, W Nitiyanant, SH Baik, LN Ji, W Sheu, PS Dellea, S Rajogopalan, D Yin, G Krishnarajah on behalf of Asia RECAP-DM Study Team
14th Congress of AFES, KL, 29 Nov – 2 Dec 2007
Journal of AFES 2007; 24 (Suppl 1):179
141. Angiotensin-1 converting enzyme (ACE) gene polymorphism in Malaysian Type 2 diabetic patients with nephropathy
Jayapalan JJ, Muniandy S & Chan SP
14th Congress of AFES, KL, 29 Nov – 2 Dec 2007
Journal of AFES 2007; 24 (Suppl 1):134
142. Glycaemic goals among Type 2 diabetic patients taking oral anti-diabetic agents for at least 6 months in Malaysia - interim analysis
Chan SP; Mafauzy M; Bahari IS; Zanariah H; Nor Azizah A; NorAzmi K; Sree Kanthan N; Khoo EM; Tong SF; Siti Khamariah A; Hussain H and Letchuman GR on behalf of RECAP team Malaysia
14th Congress of AFES, KL, 29 Nov – 2 Dec 2007
Journal of AFES 2007; 24 (Suppl 1):184
143. Carbimazole induced aplastic anaemia
Vijay A, Lim SS, Vijayashankar J, Rokiah P & Chan SP
14th Congress of AFES, KL, 29 Nov – 2 Dec 2007
Journal of AFES 2007; 24 (Suppl 1):102
144. Undiagnosed epinephrine-secreting pheochromocytoma mimicking thyroid storm and septic shock: a case report
Vethakkan S, Lim SS, Ananda V, Rokiah P & Chan SP
14th Congress of AFES, KL, 29 Nov – 2 Dec 2007
Journal of AFES 2007; 24 (Suppl 1):114
145. Differentiated Thyroid carcinoma – expect the unexpected. A Case report
Lim SS, Lim SC, Dhamendra H, Hisham AN, Vickneswaran CM, Rokiah P, Chan SP
14th Congress of AFES, KL, 29 Nov – 2 Dec 2007
Journal of AFES 2007; 24 (Suppl 1):182
146. Postpartum autoimmune hypophysitis – more than just anterior pituitary involvement – 3 case reports
Lim SC1, SP Chan1, Noor Lita A2, Nor Azmi K2, Khalid AK3
14th Congress of AFES, KL, 29 Nov – 2 Dec 2007
Journal of AFES 2007; 24 (Suppl 1):182

147.A Study of bone biochemical markers in healthy postmenopausal women – preliminary report
Ramani A, Joseph A, Chew YY, Sargunan, Dharmendra H, Yap SF & Chan SP
14th Congress of AFES, KL, 29 Nov – 2 Dec 2007
Journal of AFES 2007; 24 (Suppl 1):181

148.Association between Fasting Insulin, Homeostasis Model Assessment of Insulin Resistance (HOMA-IR) and Obesity in Normal Glucose Tolerant Malaysians
Chew YY#, Rokiah P, Ng CH, Zaitun Y*, Hazizi AS*, Lim SS, Vijay A, Manivasagar M, Chew WF, Ismail IS, Chan SP
14th Congress of AFES, KL, 29 Nov – 2 Dec 2007
Journal of AFES 2007; 24 (Suppl 1):180

149.A study of Highly Sensitive C-Reactive Protein and insulin resistance in a Healthy Malaysian cohort
Chew YY#, Rokiah P, Ng CH, Zaitun Y*, Hazizi AS*, Lim SS, Vijay A, Manivasagar, Chew WF, Ismail IS & Chan SP
14th Congress of AFES, KL, 29 Nov – 2 Dec 2007
Journal of AFES 2007; 24 (Suppl 1):180

150.Vitamin D inadequacy – does it affect postmenopausal women living in sunny Malaysia
Lai P, Ramani A, Sargunan S, Vijay A, Chew YY, Dharmendra H, Chua SS & Chan SP
14th Congress of AFES, KL, 29 Nov – 2 Dec 2007
Journal of AFES 2007; 24 (Suppl 1):181

151.Outcome of Radioiodine therapy for thyrotoxicosis: University of Malaya Medical Centre experience from 2001 -6
Lim SC, Dharmendra H*, Tan A, Foo SH, Vijay A, Lim SS, Rokiah P & Chan SP
14th Congress of AFES, KL, 29 Nov – 2 Dec 2007
Journal of AFES 2007; 24 (Suppl 1):183

152.Case report and literature review: A young man with juvenile diabetes mellitus, bilateral hydronephrosis and central diabetes insipidus – Wolfram syndrome
Tan ATB, Shireene V, & Chan SP
14th Congress of AFES, KL, 29 Nov – 2 Dec 2007
Journal of AFES 2007; 24 (Suppl 1):184

153.Insulin Resistance and beta-cell dysfunction using HOMA in Asian patients with Type 2 diabetes mellitus treated with oral anti-

hyperglycaemic agents

Ji Li-Nong, Baik SH, Nitiyanant W, Sheu WHH & Chan SP on behalf of Asia RECAP-DM Study Group

7th International Diabetes Federation Western Pacific Region (IDF-WPR) Congress, New Zealand, 30 Mar – 2 Apr 2008

Diabetes Research and Clinical Practice 2008; 79 (suppl 1):S24-25

154. Patterns of oral anti-hyperglycaemic therapy and level of glycaemic control in patients with Type 2 diabetes mellitus in Malaysia

SP Chan on behalf of the Malaysia RECAP-DM study group

7th IDF-WPR Congress, New Zealand, 30 Mar – 2 Apr 2008

Diabetes Research and Clinical Practice 2008; 79 (suppl 1):S69

155. Patient reported hypoglycaemic symptoms among Asian patients with Type 2 diabetes receiving oral anti-hyperglycaemic agents

SH Baik, Wannee N, WHH Sheu, LN Ji and SP Chan on behalf of Asia RECAP-DM Study Group

7th IDF-WPR Congress, New Zealand, 30 Mar – 2 Apr 2008

Diabetes Research and Clinical Practice 2008; 79 (suppl 1):S71

156. Hypoglycaemic experience is associated with lower quality of life (QoL) in Asian patients with Type 2 diabetes mellitus treated with oral anti-hyperglycaemic agents

WHH Sheu, LN Ji, SH Baik, SP Chan on behalf of Asia RECAP-DM Study Group

7th International Diabetes Federation Western Pacific Region (IDF-WPR) Congress, New Zealand, 30 Mar – 2 Apr 2008

Diabetes Research and Clinical Practice 2008; 79 (suppl 1):S71

157. Frequency and severity of patient-reported hypoglycaemic symptoms are associated with increased worry of hypoglycaemia among Asian patients with Type 2 diabetes mellitus treated with oral anti-hyperglycaemic agents

SP Chan, Wannee N, SH Baik, LN Ji and WHH Sheu on behalf of Asia RECAP-DM Study Group

7th International Diabetes Federation Western Pacific Region (IDF-WPR) Congress, New Zealand, 30 Mar – 2 Apr 2008

Diabetes Research and Clinical Practice 2008; 79 (suppl 1):S71-72

158. From Individual risk to Global Cardiometabolic Risk Factors

SP Chan

12th National Heart Association of Malaysia Annual Scientific Meeting, KL, 4 – 6 Apr 2008

159. Advances in Type 2 diabetes: modulating the impact of cardiovascular disease
SP Chan
12th National Heart Association of Malaysia Annual Scientific Meeting, KL, 4 – 6 Apr 2008
160. High prevalence of Vitamin D inadequacy among community dwelling postmenopausal women with osteoporosis
SP Chan, P Lips, J Chandler, K Lippuner, S Ragi-Eis, J Norquist, PD Delmas, JA West, D Hosking
8th European Congress on Clinical and Economic aspects of Osteoporosis and Osteoarthritis, Istanbul, 9 – 12 April 2008
Osteoporosis International 2008;19 (suppl 1):S72-73
161. Patient and Physician attitudes toward Vitamin D in osteoporosis treatment
SP Chan, JA West & SS Sen
8th European Congress on Clinical and Economic aspects of Osteoporosis and Osteoarthritis, Istanbul, 9 – 12 April 2008
Osteoporosis International 2008;19 (suppl 1):S85

Invited Speaker / Oral Presentations

1. Prevalence of Gestational Diabetes Mellitus in Malaysia
Symposium on Gestational Diabetes Mellitus in 7th AFES, Kuala Lumpur, Dec 1993
2. ASCODIP Report – prevalence and Outcome data from the ASEAN region – SP Chan & A Zaini
Symposium on Gestational Diabetes Mellitus in 8th AFES, Manila, Dec 1995
3. Pregnancy and Diabetes – impact of management on pregnancy outcome
3rd Annual Congress of the Perinatal Society of Malaysia, KL, Jan 1996
4. Management of Diabetes in the ICU and Surgery
Penang International Teaching Course on Endocrinology and Metabolism, Penang, Jul 1996
5. Medical Problems in Pregnancy Symposium – Medical Management
1st MOH-AMM Scientific meeting, KL, Oct 1996
6. Dyslipidaemia in Special Groups – Diabetes, Women and Elderly
Consensus Statement of Management of hyperlipidaemia, MOH-AMM, KL, Jan 1997

7. Update on Osteoporosis
Annual Scientific meeting of College of Physicians & Academy of Medicine M'sia, KL, May 1997
8. Metaplan Management of Dyslipidaemia
Workshop facilitator
Far East Lipid Forum, Penang, Nov 1997
9. Malaysian Practice Guidelines for type 2 diabetes mellitus
2nd MOH-AMM Scientific Meeting, Nov 1998
10. What is Osteoporosis?
2nd Scientific Meeting on Osteoporosis, KL, Oct, 1998
11. Pathophysiology of Osteoporosis
National Workshop on Osteoporosis, Jun 1999
12. Osteoporosis – A Silent and Progressive Disease
MMA Negri Sembilan Branch, Aug 1999
13. Diabetes Drug Therapy – New & Old
Joint Annual Scientific Meeting and AGM, Private Medical Practitioners Association of Selangor and KL & College of Physician, Academy of Medicine, Malaysia, April 2000
14. Benefits of Treating Dyslipidaemia in Malaysia
Management Strategies for Cardiovascular Diseases: Practical Approach for the General Practitioner, Kota Kinabalu, Aug 2000
15. Diabetes and Hypertension – A Bad Mix
1st Hypertension & PRIME Update meeting, Hatyai, February, 2001
16. Diabetes / Glucose intolerance and Pregnancy
MEMS Endocrine Update Course, Kuching, Mar 2001
17. Postmenopausal Osteoporosis
3rd Malaysian Congress on Menopause, "Aging in the New Millenium"
Malaysian Menopause Society, Selangor, April, 2001
18. Changing Therapies to Address Diabetes Progression
Keynote address Pre-AGM, GPs Association Pahang, April, 2001
19. PPAR – a HDL agonist
HDL: From Evidence to Treatment, National Heart Association of Malaysia, KL, May 2001

20. Diabetic dyslipidaemia – Need for rigorous treatment
Malaysian Society of Hypertension, General Practitioners meeting,
Kota Kinabalu, July 2001
21. Taking the Sweetness out of Diabetic Pregnancies
1st National Workshop on Medical Disorders in Pregnancy,
24-25th Aug 2002
22. Diabetes Prevention with Lifestyle modification
3rd Asian Congress of Dietetics, Kuala Lumpur, 18-21 Aug 2002
23. Diabetes mellitus: Good glycaemic control does matter
5th Scientific Meeting of the National Institutes of Health, Kuala Lumpur,
Sept 2002
24. Osteoporosis: The Burden
Joint Unimas-Sarawak Health Department Medical Colloquium
Kuching, Aug 2003
25. Emerging Crisis in Chronic Disease Management: Diabetes Mellitus
6th Scientific Meeting of the National Institutes of Health,
Kuala Lumpur, Sept 2003
26. Hypertension in Diabetes. What targets? Which agents?
12th Congress of Asean Federation of Endocrine Societies, Singapore,
Dec 2003
27. Impaired Glucose Tolerance: The ASEAN perspective
12th Congress of Asean Federation of Endocrine Societies, Singapore
Dec 2003
28. Diabetes and Hypertension – How Aggressive should treatment be?
SP Chan
Malaysian Society of Hypertension 2nd Scientific Meeting,
22-24 Jan 2005
29. Antenatal Monitoring of the Diabetic Mother
SP Chan
12th Annual Perinatal Congress, Seremban, 17-20 Mar 2005
30. Outcome of Pregnancy complicated by Maternal Diabetes
SP Chan
12th Annual Perinatal Congress, Seremban, 17-20 Mar 2005

31. Rational Use of Oral Anti-diabetic agents in Type 2 diabetes mellitus
SP Chan
4th ASEAN Conference in Primary Healthcare, Ipoh, 17-20 Mar 2005
32. Osteoporosis – Identifying the At-Risk Patient
SP Chan
5th Malaysian Congress on Menopause, Kuala Lumpur,
21-24 April 2005
33. Metabolic Syndrome and Cardiovascular Risk
SP Chan
University of Malaya Centennial Celebraton - International Conference
on Health Sciences, Malaysia, 6-8 May 2005
34. Update of Management of Type2 Diabetes mellitus
SP Chan
College of Physicians Conference, Saujana PJ, 25 – 26 March 2006
35. Metabolic Syndrome
SP Chan
Pre-Congress Workshop, 10th National Heart Association of Malaysia, KL
31 Mar – 2 April 2006
36. Lipidology
SP Chan
Pre-Congress Workshop, 10th National Heart Association of Malaysia, KL
31 Mar – 2 April 2006
37. Optimal Drug Therapy for Management of Obesity
SP Chan
10th National Heart Association of Malaysia, KL, 31 Mar – 2 April 2006
38. Atherosclerosis: Lipid in the Ageing Diabetic
SP Chan
Asia-Pacific Conference on Ageing, KL, 17 – 19 April 2006
39. Current Diabetic goals and Therapeutic agents
SP Chan
Annual Scientific Meeting, Private Medical Practitioners Association of
Selangor and Kuala Lumpur, 22 – 23 April 2006
40. Metabolic Syndrome
SP Chan
3rd PENSMA Biennnial Congress, Kuala Lumpur, 7-9 July 2006

41. Glucocorticoid induced osteoporosis
SP Chan
12th Congress of the Asia Pacific League of Associations for Rheumatology
Aug 1-5, 2006, Kuala Lumpur
42. Optimal Management of Metabolic Syndrome
SP Chan
Malaysian Society of Hypertension Conference, KL, 12 – 14 Jan 2007
43. Tests of Calcium Metabolism
SP Chan
6th Symposium on Advances in Medicine
College of Physicians, Academy of Medicine, Malaysia, KL, 20 – 21 Jan 2007
44. Diabetes mellitus – update on management
SP Chan
National Family Physicians Unit, KKM, on Diabetes Education, Genting, 27 – 28 Feb 2007
45. Osteoporosis and bone problems
SP Chan
Advances in Endocrinology Weekend, Malaysian Endocrine and Metabolic Society, JB, 15 – 18 Mar 2007
46. Cushing's Syndrome – diagnosis and Management
SP Chan & Shireene Vethakkan
Advances in Endocrinology Weekend, Malaysian Endocrine and Metabolic Society, JB, 15 – 18 Mar 2007
47. Achieving Glycaemic goals – Case for Metformin and Insulin
SP Chan
Cardiometabolic Education Forum, 29 – 30 March 2007, Singapore
48. Metabolic Syndrome – What every Physician needs to know
SP Chan
National Heart Association of Malaysia, Satellite Symposium, KL, 12 April 2007
49. Lipidology – What every Physician needs to know
SP Chan
National Heart Association of Malaysia, Satellite Symposium, KL, 12 April 2007

50. Clinical Trial Design and Protocol Development
SP Chan
Good Clinical Practice Workshop, UMMC, 3-5 May 2007
51. Updates in the Management of Diabetes mellitus & Gestational diabetes mellitus
SP Chan
GP Symposium, Ipoh, 17 June 2007
52. Metabolic Syndrome – strategies for management
SP Chan
3rd National Diabetes Educators Seminar, KL, 20 – 22 Jul 2007
53. Symposium on Nutrition and Bone - Vitamin D
SP Chan & FL Hew
6th Malaysian Osteoporosis Society Annual Scientific Meeting, KL, 3 – 5 Aug 2007
54. Metabolic Syndrome: its significance and application in clinical practice
SP Chan
World Congress of Pathology and Laboratory Medicine, KL, 20 – 24 Aug 2007
Malaysian J Pathol 2007; 29 (Suppl A):50
55. T2DM in Malaysia – where are we heading? Prevalence and Glycaemic control
SP Chan
Seoul Diabetes Forum, Seoul, Korea, 24 Nov 2007
56. Diabetes and the Metabolic Syndrome
SP Chan
Conference on Behavioural Medicine
Malaysian Assoc of Scientific Research in Psychiatry, Penang, 13-15 Jan 2008
57. Achieving therapeutic goals with sitagliptin in diabetes management
SP Chan
3rd International Symposium on Healthy Aging, Hong Kong, 1-2 Mar 2008
58. Overactivation of Endocannabinoid system – Key player in the development of Cardiometabolic risk
SP Chan
4th Malaysian Conference and Exhibition on Healthy Aging, KL, 28-30 Mar 2008

59. From Individual risk to Global Cardiometabolic Risk Factors
SP Chan
12th National Heart Assoc Malaysia Annual Scientific Meeting, KL,
4-6 Apr 2008
60. Advances in Type 2 diabetes: modulating the impact of cardiovascular disease
SP Chan
12th National Heart Assoc Malaysia Annual Scientific Meeting, KL,
4-6 Apr 2008
61. Challenges of Diabetes management in Asia
SP Chan
1st Hospital Pharmacy Conference, Kuala Lumpur, 25-27 April 2008
62. Treat to target – DM management symposium
SP Chan
1st Hospital Pharmacy Conference, Kuala Lumpur, 25-27 April 2008
63. Dilemma of Osteoporosis Treatment
SP Chan
9th Regional Osteoporosis Conference & ISCD Bone Densitometry Course, Hong Kong, 16-18 May 2008
64. What's new in the Management of Diabetes and How to achieve targets.
SP Chan
5th Malaysian Cardiovascular Interventional Symposium with Live Transmission, KL, 10 – 12 July 2008
65. Medical Management of GDM/DM Pregnancy
SP Chan
Diabetes in Pregnancy Workshop, Putrajaya Hospital, 19 Jul 2008
66. Long term effects of Osteoporosis Treatment
SP Chan
9th MSR-SSR Workshops in Rheumatology, Petaling Jaya,
15 – 17 Aug 2008

Service to Community

1. Public talks on
Diabetes mellitus
Osteoporosis

Nationwide

1990-until present
2. Diabetes education weekends and annual diabetes camps
1991 until present
organizer and speaker

Completed Research

1. Development of a Predictive model to facilitate diagnosis of low BMD in postmenopausal women – sponsored by MSD – completed in 1999
SP Chan, Rokiah P, JK Lee, Winnie Chee
2. A 16 week open-labelled trial on repaglinide in the glycaemic control during the fasting month of Ramadhan – part of a multicentre trial – sponsored by Novo-Nordisk – completed on February 2000
SP Chan, Rokiah P, Asmah Mohd, FL Hew, IS Ismail, Anuar Zaini
3. RENAAL Trial (MSD) – International multicentre trial
To Study the efficacy of ACE-I in type 2 diabetes nephropathy –
in collaboration with CT Chua, Morris Wo, FL Hew, Rokiah P
4. Multicentre Open label Randomised. Crossover Preference Study of Oral Alendronate 70 mg once weekly and 10 mg Daily
SP Chan, FL Hew and SS Yeap
5. Study of serum sialic acid and VCAM -: early markers of endothelial dysfunction in type 2 diabetes mellitus (IRPA 06-02-03-0577)
In collaboration with IS Ismail, Rajes Qvist, Anuar Zaini, FL Hew, Rokiah P
6. Study the Efficacy of milk supplementation on BMD in postmenopausal women (New Zealand Dairy Board) – in collaboration with co-researchers
Ms *Winnie Chee, *Suriah A Rahman, **Zaitun Y (*UKM & **UPM)

7. To Study the Effectiveness of weight-bearing exercise and calcium supplementation on rate of bone loss in post-menopausal women (IRPA Top down) – in collaboration with co-researchers **Zaitun Y, *Winnie Chee, *Suriah A Rahman (**UPM & *UKM)
8. Community based lifestyle intervention on cardiovascular risk (IRPA-Top down) – multi-centre study with USM, UKM, MOH
In collaboration with A Zaini, IS Ismail, FL Hew, Rokiah P, LF Lee, M Manivasagar
9. A 8 week, multicentre, double blind, randomised placebo controlled trial on low dose repaglinide for the treatment of impaired glucose tolerance in Asian subjects (Phase 2 Trial)
A Zaini, SP Chan, IS Ismail, FL Hew & P Rokiah
10. A Randomised, Double Blind, Active-controlled, Multinational, Multicentre, Parallel Group Study to Determine the Efficacy and Safety of Risedronate by assessing its effect on Bone Turnover markers and Bone Mineral Density during 24 weeks of treatment in Osteoporotic Postmenopausal women
SP Chan, FL Hew and SS Yeap
11. A Multicentre, Double-Blind, Randomised, Placebo-Controlled, 'Factorial' Design, 12 week Study to evaluate the efficacy of SCH 58235 10 mg daily co-administered with multiple doses of Simvastatin in patients with primary hypercholesterolaemia
FL Hew, SP Chan
12. A multicenter double-blind, randomised, placebo-controlled study to evaluate the Safety and Efficacy of the addition of MK-0767 to patients with type 2 diabetes with inadequate glycaemic control on combined metformin and sulfonylurea therapy
SP Chan, Hew FL, Rokiah P (Study terminated due to MK-0767 safety concerns by Sponsors in Nov 2003)
13. The effect of steroids on the progression of Graves' Ophthalmopathy in patients's undergoing radioactive iodine treatment
Rokiah P, SP Chan, FL Hew & IS Ismail
14. To study the impact of lifestyle intervention in the prevention of progression to IGT/DM in previous GDM women (IRPA 06-02-03-0747)
SP Chan, Rokiah P, Anuar Zaini, IS Ismail, FL Hew LF Lee & M Manivasagar

15. A Double-Blind Randomised Placebo-Controlled Trial evaluating the effects of micronised Fenofibrate on the Metabolic and Anthropometric Features of Mixed Dyslipidaemic Patients with Type2 Diabetes or with MIRS
FL Hew, CG Ooi, CH Ng, SP Chan, IS Ismail, Rokiah P, A Zaini
16. The Effect of Activated Vitamin-D and Alendronate on steroid-induced Osteoporosis
SS Yeap, SP Chan, SK Chow & FL Hew
17. DIABETES VASCULOPATHY STUDY - IRPA funded 36-02-03-6-21 - To study the Risk factors that increase the likelihood of progression to impaired glucose tolerance and type 2 diabetes mellitus in high risk subjects (1. Women with previous GDM; 2. Felda settlers with previous known IGT/IFG). To delineate the inflammatory markers that render a higher risk for CVD in this population
SP Chan, Rokiah P, A Zaini, Ikram S Ismail, Shireene V, M Manivasagar, LF Lee; Zaitun Y, Hazizi MS (Collaborators from Universiti Putra Malaysia)
2003 – Dec 2006
18. Protocol: CL3-12911-015-MYS Servier
International, double-blind, randomized, placebo-controlled, study to assess the efficacy and safety of 2g/day strontium ranelate (S12911) versus placebo administered for 1 year in Asian women with postmenopausal osteoporosis.
SP Chan, Rokiah P (September 2004 – March 2006)
19. Protocol MK 0431-020 Merck Sharp & Dohme
A Multicenter, Randomized, Double-Blind Study to Evaluate the Safety and Efficacy of the addition of MK-0431 to Patients with Type 2 Diabetes Mellitus Who Have Inadequate Glycemic Control on Metformin Therapy.
Rokiah P, SP Chan, FL Hew (August 2004 – October 2006)
20. Protocol MK 0431-021 Merck Sharp & Dohme
A Multicenter, Randomized, Double-Blind Study of the Safety and Efficacy of MK-0431 Monotherapy in Patients with Type 2 Diabetes Mellitus Who Have Inadequate Glycemic Control.
SP Chan, Rokiah P, FL Hew (August 2004 – October 2006)
21. Protocol MK 0431-028 Merck Sharp & Dohme
A Multicenter, Randomized, Double-Blind Study to Evaluate Safety and Efficacy of MK-0431 Monotherapy Therapy in Patients with Type 2 Diabetes Mellitus and Chronic Renal Insufficiency Who Have Inadequate Glycemic Control.
SP Chan, CT Chua, SK Lim (November 2004 – July 2006)

22. Protocol MK 0524B-022 Merck Sharp & Dohme
A Multicenter Randomized, Double-Blind, "Factorial" Design Study to Evaluate the Lipid-Altering Efficacy of MK-0524B (dosed as coadministered MK-0524A and Simvastatin Tablets) in Patients with Hypercholesterolemia and Mixed Hyprelipidemia.
SP Chan, Vijay A, FL Hew (May 2006 – December 2006)
23. ADVANCE STUDY - A multicentre factorial trial of blood pressure lowering with a fixed dose perindopril-indapamide combination and intensive glucose control with a modified-release gliclazide-based regimen for the prevention of vascular disease among high risk individuals with type 2 diabetes mellitus.
SP Chan, FL Hew, Rokiah P for the UMMC group
(March 2002 – December 2007) – Investigator initiated, sponsored by an unrestricted educational grant from Servier
25. Protocol MK 0431-024 Merck Sharp & Dohme
A Multicenter, Randomized, Double-Blind Study to Evaluate Safety and Efficacy of MK-0431 Compared with Sulfonyleurea Therapy in Patients with Type 2 Diabetes Mellitus With Inadequate Control on Metformin Monotherapy.
SP Chan, Vijay A, SS Lim, Rokiah P (August 2004 – January 2007)
26. Protocol MK 0533-005 Merck Sharp & Dohme
An Efficacy and Tolerability Study of MK-0533 Patients with Type 2 Diabetes Mellitus Who Have Inadequate Glycemic Control.
SP Chan, Vijay A, ATB Tan, Rokiah P (June 2006 – September 2007)
27. Protocol KRX-101-401 KERYX Biopharmaceuticals
The Effect of Sulodexide in Overt Type 2 Diabetic Nephropathy.
SP Chan, Vijay A, Rokiah P (January 2006 – Oct 2007)
28. International Diabetes Management Practices Study – Phase 2
A cross sectional study to assess the level of management of diabetic patients.
This is an International study of which Malaysia is taking part in.
Sponsored by Sanofi-Aventis
(November 2006 – Sept 2007)
SP Chan – National Coordinator for the Study
29. Regional Study on Insulin secretion and sensitivity in Asian Type 2 diabetes – Malaysia, Thailand, Singapore, Philippines, Brunei & Indonesia
SP Chan – National Coordinator for Malaysia
(Dec 2006 – July 2007)

30. Real-Life Effectiveness and Care Patterns of Diabetes management in Asia-Pacific (The Asia-Pacific RECAP-DM Study)
SP Chan – National Coordinator for Malaysia
Sponsored by Merck-Sharp and Dohme
(May – Sept 2007)

On-going research

31. NAVIGATOR Protocol: CDJN608B2302 Novartis Pharma AG
A multinational, randomised, double-blind, placebo-controlled, force-titration, 2x2 factorial design study of the efficacy and safety of long term administration of nateglinide and valsartan in the prevention of diabetes and cardiovascular outcomes in subjects with impaired glucose tolerance (IGT)
IS Ismail, Rokiah P, Shireene V, SS Lim & SP Chan
(June 2002 – June 2008)
32. Protocol MK 0364-015 Merck Sharp & Dohme
A 2-Year Study to Assess the Efficacy, Safety and Tolerability of L-000899055 in Obese Patients
(September 2005 – December 2007) – 2nd year extension, 2008 - 2009
33. Protocol: C-00046 Sanofi Aventis
(INSPIRE MEE IAA)
International Study of Prediction of Intra-Abdominal Adiposity and Its Relationship with Cardiometabolic Risk/Intral-Abdominal Adiposity.
(August 2006 – December 2009)
SP Chan – National Coordinator for the Project
34. Protocol MK 0364-011 Merck Sharp & Dohme
A Phase IIb/III Randomized, Placebo-Controlled Clinical Trail to Study the Safety and Efficacy of MK-0364 Overweight and Obese Patients with Type 2 Diabetes (T2DM).
(November 2006 – December 2007) – 2nd year extension, 2008 - 2009
35. A randomized, double-blind, placebo controlled parallel group efficacy and safety study of BI 1356 (5mg administered once daily) over 24 weeks, in drug naïve or previously treated (6weeks washout) type 2 diabetic patients with insufficient glycaemic control
SP Chan – Principal Investigator (UMMC)
(April 2008 – ongoing)

36. A randomized double-blind, placebo controlled, double-dummy, parallel group, multicentre dose-ranging study in subjects with Type 2 diabetes mellitus to evaluate the efficacy, safety and tolerability of orally administered SGLT2-inhibitor JNJ-28431754 with sitagliptin as a reference arm (Phase 2B)
SP Chan – Principal Investigator (UMMC)
(May 2008 - ongoing)

University of Malaya